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Cover: First recorded Northern Saw-whet Owl nest in Maryland, Cranesville Swamp, Garrett County, 24 April 1993. Photograph by Kevin M. Dodge.



BREEDING BIOLOGY OF THE NORTHERN SAW-WHET OWL IN MARYLAND

First nest record and associated observations

DAVID F. BRINKER AND KEVIN M. DODGE

Although often considered rare, Northern Saw-whet Owls (*Aegolius acadicus*) are relatively common and widespread across southern Canada (Godfrey 1986) and much of the northern and western United States (Johnsgard 1988). For years the American Ornithologists' Union listed West Virginia and Maryland (Cumberland) as the southern extent of the Northern Saw-whet Owl's breeding range in the east (AOU 1957). Northern Saw-whet Owls are now known to breed south along the highest elevations of the Appalachian Mountains to North Carolina (Simpson and Range 1974) and Tennessee (Mayfield and Alsop 1992). However, as breeding birds, south of Pennsylvania Northern Saw-whet Owls are rare. The only accounts of nest records, all in nest boxes, are from Blackbird Knob, West Virginia during the West Virginia Atlas period, 1984-1989 (Buckelew and Hall 1994); far southwestern Virginia in 1989 (Ridd 1990); Brush Fence Ridge along the Yancey-Buncombe County line in North Carolina in 1989 (LeGrand 1990); and Unaka Mountain in Unicoi County Tennessee in 1992 (Mayfield and Alsop 1992). Through the completion of the Maryland and District of Columbia Breeding Bird Atlas project in 1987, there was no documented nest record for the Northern Saw-whet Owl in Maryland. In this paper we present an account of events leading up to, and documentation of, the first definitive Northern Saw-whet Owl nest record in Maryland.

PAST EVIDENCE OF BREEDING IN MARYLAND

Northern Saw-whet Owl nest cavities are difficult to find, making nest records difficult to generate. Thus, to detect the presence of breeding Northern Saw-whet Owls, ornithologists have often relied upon secondary evidence such as singing owls and the observation of flightless or recently fledged juveniles. Until recently, evidence for breeding in the Appalachian Mountains south of Pennsylvania was of this latter type. The inclusion of Maryland in the AOU's described breeding range was based upon a juvenile Northern Saw-whet Owl captured near Cumberland on 6 July 1903 and brought to Eifrig (1904) for identification. Stewart and Robbins (1958) mention several breeding season records of adults and a juvenile plumage bird observed at Wolf Swamp on 16 June 1951. Another juvenile was found in the West Virginia portion of Cranesville Swamp on 22 June 1932 (Brooks 1933).

More recent records of juvenile Northern Saw-whet Owls include one found by F. Backham on the ground in a Frederick backyard on 15 July 1986 (Ringler 1986). This uninjured bird was rehabilitated, banded and released. George Durner found a road-

killed juvenile near Frostburg, Allegany County, in July 1990 (G. M. Durner, pers. comm.).

Since 1985, we have accumulated accounts of singing Northern Saw-whet Owls in Garrett County Maryland. These potentially breeding individuals occurred at the Big Shade Run in 1985 (G. Yoder, pers. obs.), Wolf Swamp in 1986 (D. F. Brinker and J. E. McKearnan, pers. obs.), Cranesville Swamp during 1987-1993 (D. F. Brinker, J. E. McKearnan, D. E. Walbeck, and K. M. Dodge, pers. obs.), near Cherry Creek during 1989-1991 (R. Teets, B. Taliaferro, D. F. Brinker and K. M. Dodge, pers. obs.), Finzel Swamp in 1990 (J. E. McKearnan, pers. obs.), Callahan Swamp in 1990 (J. M. McCann, pers. obs.) and near New Germany State Park (M. O'Brien and K. M. Dodge, pers. obs.).

GARRETT COUNTY STUDIES

Despite the lack of a Maryland nest record, it was apparent from the above evidence that the Northern Saw-whet Owl was an uncommon but regular breeding species in Maryland. In 1991, we began developing a method to monitor distribution and relative population changes of Northern Saw-whet Owls breeding in Maryland. We will report on this ongoing effort in greater detail at a later date when more data are available.

The monitoring relied upon tape-playback surveys conducted in suitable habitat to locate breeding pairs. During the springs of 1991 and 1992 these surveys located 10 Northern Saw-whet Owl territories in Garrett County. Most of these territories were active both years.

Following the 1991 success in locating potential breeding pairs of Northern Saw-whet Owls, the Garrett County work was expanded to include an investigation of the basic breeding biology of Appalachian Mountain Northern Saw-whet Owls. As part of this effort we erected nest boxes during the winter of 1991-92. Twenty-seven boxes were erected in a wide variety of sites during mid-January 1992. All sites were locations where Northern Saw-whet Owls had been detected during 1991 tape-playback surveys. Several boxes were also erected at locations where Northern Saw-whet Owls had been found in the past, such as Wolf and Finzel Swamps. Inside dimensions of the boxes measured 30 cm tall, 15 cm X 15 cm at the base, with a 7.0 cm entrance hole centered 9 cm below the top of the box. Hereafter these are referred to as "short" boxes. A layer of coarse sawdust 5-10 cm deep was placed in the bottom of each box. Box placement and our first impression of suitable habitats are discussed later in this paper.

The boxes were checked for activity during March and June 1992. No owl nests were found and no other bird species used the boxes during 1992. Several of the boxes were used by Southern Flying Squirrels (*Glaucomys volans*) and Red Squirrels (*Tamiasciurus hudsonicus*).

Since the 1992 playback surveys demonstrated that Northern Saw-whet Owls continued to inhabit the locations where boxes had been erected, even though no boxes produced active nests that spring, we attempted to document breeding via an alternate method during the summer of 1992. On 28 June 1992 we erected two 12-meter mist nets at a location along the Casselman River where a Northern Saw-whet Owl had responded to tape playbacks on several nights during the springs of 1991 and 1992. As an attractant, an audiolure playing the primary advertisement song of the Northern Saw-whet Owl was used at the mist net. Around midnight an adult Northern Saw-whet Owl was netted. This owl, probably a male, (mass 74 g, wing cord 130 mm, flattened

wing 137 mm, tail 74 mm) was banded and released. He possessed two generations of primaries and secondaries. No primaries, secondaries or tail feathers had been recently molted and the owl had no evidence of a brood patch.

The following night, 29 June 1992, the Casselman River net setup was moved to a location near Cherry Creek and another identical setup was erected near Cunningham Swamp. Singing Northern Saw-whet Owls had been present on several nights during each of the previous two springs at both of these locations. Between approximately 22:00, 29 June, and 00:30, 30 June, two Northern Saw-whet Owls were netted near Cunningham Swamp, an adult, presumably a male (mass 82 g, wing chord 129 mm, flattened wing 138 mm) because of a relatively short wing chord measurement, and a juvenile, presumably a female (mass 92 g, wing chord 142, flattened wing 146, tail 77 mm) because of a relatively long wing chord measurement. The adult had molted all the primaries on both wings, secondaries 1 to 8 were new, while secondaries 9-12 were actively growing but still sheathed. All tail feathers appeared to have been dropped relatively simultaneously as all were growing in, approximately the same length and still sheathed. No evidence of a brood patch was present.



Figure 1. Second juvenile Northern Saw-whet Owl banded in Maryland. This owl was netted on 30 June 1992 near Cunningham Swamp, Garrett County, Maryland. The out-of-focus smudge in the lower left hand corner of the photograph is an adult Northern Saw-whet Owl, presumably the juvenile's male parent. (Photograph by David F. Brinker)

The two owls were caught within 2 meters of one another in the net (Figure 1) and had entered from the same side. We believe that this was part of the resident pair's family group. At the time, this represented the best evidence to date of breeding by Northern Saw-whet Owls in Maryland because of the location's distance from adjacent states (a compromising factor in previous records of fledged young) and the two years of consistent tape-playback response by adults during the March-June breeding season. Both birds were banded and released. This was only the second juvenile Northern Saw-whet Owl ever banded in Maryland.

The nest box effort was expanded during the winter of 1992-93. The existing boxes were cleaned and repaired during January 1993. In March 1993 an additional 16 boxes were constructed and erected for a total of 43 potential boxes. The new boxes were larger, with inside dimensions 46 cm tall and base 17 cm x 18 cm. The size of the entrance hole was decreased to 6.5 cm and the hole was positioned 8 cm below the top. Hereafter these boxes are referred to as "tall" boxes. Most of the new boxes were located in the Maryland portion of Cranesville Swamp. This brought the number of boxes erected in the Cranesville Swamp area to 21. In cooperation with an interested private landowner (who considers us "weird, but interesting"), one of the new boxes was erected just inside West Virginia. This location was near a tape-playback survey site where a Northern Saw-whet Owl would often respond by perching in nearby Eastern Hemlocks (*Tsuga canadensis*) and Red Spruce (*Picea rubens*) while singing back to the tape. The boxes were erected on 6 and 26 March 1993.

FIRST CONFIRMED MARYLAND NESTING

The first nest box checked in 1993 was the single West Virginia box. Brinker checked this box during the early afternoon on 23 April, 7 weeks after this new tall box was erected. The remains of 3 Northern Saw-whet Owl eggs were found in the box. They had been preyed upon by a small mammal, probably a Red Squirrel. This represents the third Northern Saw-whet Owl egg record for West Virginia (J. S. Butterworth, pers. comm.). The 2 previous West Virginia records (unpublished) were also relatively recent and arose from nest box studies focusing on Northern Flying Squirrels (*Glaucomys sabrinus*). This nest box was located less than 300 meters west of the Maryland-West Virginia state line.

The next two boxes Brinker checked on 23 April were short boxes located less than 120 meters east of the Maryland-West Virginia state line (400-420 meters east of the box with the 3 depredated eggs). Upon approaching the second of these a Northern Saw-whet Owl was observed peering out of the entrance hole. Since it was well before sunset, the box was not disturbed. An additional 5 boxes checked that afternoon were not occupied.

On 24 April Brinker and Dodge checked 14 boxes, all unoccupied, before returning to the box containing the suspected nest just prior to sunset at 19:00. The owl was again present and peering out of the entrance. We flushed it from the box at 19:05. Upon opening the box we found 4 oval white eggs (Figure 2). The measurements of the eggs, all in mm, were 31.18 x 25.68, 31.01 x 25.61, 30.65 x 25.53 and 30.45 x 25.61. The eggs were floated in a small container of fresh water to determine stage of incubation and it was estimated that the oldest egg had been incubated 2-4 days and the youngest egg was freshly laid. The only prey remains found in the box were Swamp Sparrow (*Melospiza georgiana*) feathers. We took several photographs, closed the box, and departed the area by 19:25. During this time the owl, presumably the female, remained

nearby. We did not stay to determine when she re-entered the box, preferring to minimize additional disturbance. Brinker returned on 8 May to check the status of the box. The owl, once again observed peering from the entrance of the box, was not flushed, and he departed quietly.



Figure 2. First Northern Saw-whet Owl nest record for Maryland. This nest, with 4 freshly laid eggs, was found on 24 April 1993 in a nest box erected specifically for Northern Saw-whet Owls in the Maryland portion of Cranesville Swamp, Garrett County, Maryland. (Photograph by David F. Brinker)

We returned to the nest box to band the young at approximately 17:30 on 29 May, accompanied by two Garrett Community College students, Mr. M. Dene Wood and Ms. Rebecca D. Alexander. Upon our arrival an owl was again peering from the entrance of the nest box. It did not flush from the box, even when we stood directly below the box. We then captured the owl by placing a landing net over the nest box. The owl did not flush until the net was almost touching the box. This owl, a female, was banded, weighed, and measured (mass 118 g, wing chord 141 mm, flattened wing 149 mm, tail 69 mm). Since there was no active molt and only one generation of primaries and secondaries, she was probably only 1 year old and making her first breeding attempt.

She did possess obvious remnants of a brood patch. While holding the female, the box was opened to reveal 2 young (Figure 3) and 2 addled eggs. The mass of the smaller and younger of the 2 owlets was 76 g, its 4th primary measured 20 mm, this feather had not yet broken through the sheath, and its eyes were barely open. The mass of the older owlet was 105 g, its 4th primary measured 30 mm, and it had broken through the sheath. Based on primary measurements and mass, we estimated the age of the young to be 12 and 15 days (see Cannings 1987). Prey cached in the box consisted of 1 adult and 1 immature deer mouse (*Peromyscus* sp.) and 1 Red-backed Vole (*Clethrionomys gapperi*). Following measurement and banding, the owlets were returned to the box, it was closed, and the female was returned to the box. She did not flush from the box and, after a few moments, proceeded to watch us from the box entrance as we departed.



Figure 3. Two Northern Saw-whet Owl chicks from Cranesville Swamp nest box on 29 May 1993. Chicks are approximately 15 and 12 days old. (Photograph by Kevin M. Dodge)

On 6 June 1993 we returned, along with Mrs. Frances B. Pope and Mrs. Connie S. Skipper, to photograph the owlets one last time before they fledged. When we arrived we were surprised not to see the female peering out of the box entrance. Upon opening the box we discovered that neither chick was present. At that time the owlets would have been an estimated 20-23 days old and should still have been in the nest box or very close by. While searching the immediate area for perched young Mrs. Pope found the remains of a chick, including the leg band, on the ground. Continued searching resulted in location of the remains and bands of both chicks. From measurement of the remaining remiges that we found, the owlets were estimated to have survived about 7 days after banding and may have been depredated the previous night. Additional prey remains found in the nest box included more Swamp Sparrow feathers and the tail of

a Woodland Jumping Mouse (*Napaeozapus insignis*). Among the remains of one of the chicks we also found the skull of a Smoky Shrew (*Sorex fumeus*). We assume that this skull was either from a prey item that the predator also removed from the box, or that it had been recently ingested by the owlet and somehow dropped by the predator along with the discarded portions of the owlet. We found no evidence that the female had met the same fate as her offspring. We could not find any evidence useful for identification of the predator, but speculate that it was a Raccoon (*Procyon lotor*).

PHENOLOGY

Although the end result was disappointing, this represents the first documented nest record for the Northern Saw-whet Owl in Maryland. We assume that this female was also the one that laid the 3 eggs in the nearby West Virginia box and, to recycle or continue laying, she simply switched to a nearby box. Backdating from 24 April and 29 May, assuming a 2-day laying interval and a 27-day incubation period (Cannings 1987), and assuming an immediate switch between boxes, two conservative first egg dates can be estimated, 17 April (Maryland box) and 11 April (West Virginia box). We suspect that this is either normal or slightly late for the central Appalachians, but will have to wait for further nest records for verification. For New York and New England, Bent (1938) lists extreme egg dates of 19 March through 3 July with a peak in mid-April. Cannings (1987) reported a mean first egg date of 12 March for 9 nests between 280 m (919 ft) and 615 m (2018 ft) in British Columbia, Canada. In Maryland, singing Northern Saw-whet Owls have been heard as early as late February in Finzel Swamp (J. E. McKearnan, pers. obs.), and we have frequently heard singing while conducting surveys during March warm spells.

HABITAT

The single most apparent component that seems to unify habitats used by Northern Saw-whet Owls that we have located in Maryland during the breeding season is the presence of evergreen cover. Singing Northern Saw-whet Owls have been located in conifer swamps containing stands of Red Spruce and Eastern Hemlock, riparian areas where hemlock is abundant along with an understory of Rosebay Rhododendron (*Rhododendron maximum*), and in plantations of Norway Spruce (*Picea abies*) and Red Pine (*Pinus resinosa*). Both of the nest boxes used during 1993 were located in forested areas characterized by coniferous species. The Maryland box was located near the edge of, but within, a thick stand of Eastern Hemlock and Red Spruce where light penetration was so restricted that photography was usually difficult. The West Virginia box was located on the edge of a small opening along a stream in an area of hemlock, spruce, and a larch (*Larix* sp.) plantation with a patch of rhododendron in the clearing below the box (Figure 4). The single adult owl netted along the Casselman River in June 1992 was in an area characterized by hemlock and rhododendron. During the spring, an owl, presumably the same individual, was also heard singing from a stand of old Red Spruce over a half kilometer away. A family living near this spot on the Casselman River has heard Northern Saw-whet Owls calling nearby for many years. The owls netted at Cunningham Swamp were in a clearing surrounded by a mature plantation of Norway Spruce (Figure 5).

In all of our work with tape-playback surveys we have yet to locate a singing Northern Saw-whet Owl away from evergreen cover. We have never located a calling Northern Saw-whet Owl in an area of strictly hardwoods even though we have conducted surveys in several hardwood areas with an understory of rhododendron



Figure 4. Tall nest box in West Virginia portion of Cranesville Swamp, Preston County, where depredated Northern Saw-whet Owl nest was found. (Photograph by David F. Brinker)



Figure 5. Habitat where adult and juvenile Northern Saw-whet Owls were netted near Cunningham Swamp in June of 1992. (Photograph by David F. Brinker)

and/or Mountain Laurel (*Kalmia latifolia*). In most cases our impression has been that singing owls were located in evergreen cover, or in dense shrub swamp thickets of such species as Speckled Alder (*Alnus rugosa*) adjacent to evergreen cover. Whether this affinity for evergreen cover reflects thermal constraints (see Ligon 1969), and/or a need for this small owl to conceal itself from larger owls, or some other factor(s), is currently uncertain.

BOX DESIGN AND LOCATION

Appropriate nest box design for Northern Saw-whet Owls has never been investigated experimentally. When a design is found in popular or other publications it is usually one for a generic "small owl" nest box. The first design we used, the short box, was a combination of dimensions taken from one of these popular publications and that being used for Northern Flying Squirrels in West Virginia and Maryland. We now feel that the short box is probably too shallow to be strongly preferred and certainly to be relatively safe from predators. Thus, we have switched to box dimensions similar to those used by Cannings in British Columbia. These boxes have been successfully used by Northern Saw-whet, Boreal (*Aegolius funereus*), Western Screech (*Otus kennicottii*) and Flammulated (*Otus flammeolus*) Owls (R. J. Cannings, pers. comm.). The entrance hole on Canning's boxes is 7.5 cm to permit entrance by the larger Boreal Owl. We decreased the entrance diameter to 6.5 cm to restrict box access by larger animals while still permitting use by Northern Saw-whet Owls. Continuation of our nest box effort may eventually provide a crude test of cavity size preference since we plan on placing both types of boxes at all locations that currently have short boxes.

It is interesting to note that, while short boxes had been in place in several known Northern Saw-whet Owl territories for approximately 15 months, the first box used for nesting was a tall box that had been erected less than 7 weeks prior to its selection as a nest site. The secondary selection of a short box approximately 420 meters away upon failure at the first site may indicate that the short design is less desirable. There are at least 3 boxes within the breeding territory of this pair, 2 short boxes and 1 tall box. If the area of this pair's breeding territory is substantially larger than that immediately surrounding the 2 boxes used in 1993, there may be as many as 4 short and 7 tall boxes available. The only other evidence of box use by owls during 1993 occurred in the most distant of these 11 boxes, also a tall box. Upon checking this box on 24 April, Brinker found the bottom pulled off by a Black Bear (*Ursus americanus*). The box contents, spilled to the top of the snow below the box, contained 2 fresh prey items, a half-consumed Red-backed Vole and a whole deer mouse. No cached prey items have ever been found in a short box, although short boxes appear to have been occasionally used as roosting and feeding sites by unknown owls, probably Eastern Screech-Owls (*Otus asio*). While it is possible that Northern Saw-whet Owls might use boxes as day roosts, they are not known for this behavior and are generally considered foliage roosters (Hayward and Garton 1984; Swengel and Swengel 1992).

In reaction to the unfortunate fate of our first nest and to reduce the possibility of future predation, all boxes have had a predator plate placed over the entrance holes. The predator plate consists of a 3.5 cm thick piece of wood with a 6.5 cm diameter entrance hole. Thus, the entrance holes on all boxes are now 6.5 cm and the depth of the entrance tunnel is 6.0 cm. We hope that this will be sufficient to deter larger predators such as Raccoons. However, the predator plate will not deter weasels (*Mustella* sp.), Red Squirrels, and other small predators.

As secondary cavity nesters, it is difficult to determine the preferred characteristics of Northern Saw-whet Owl nest sites and there is little published information on this aspect of their life history. Published nest records demonstrate wide variation, including snags in open situations in conifer swamps, snags in regenerating hardwoods (Bent 1938), Ponderosa Pine (*Pinus ponderosa*) savannas and riparian areas (Hayward and Garton 1988), riparian woodlands in shrub-steppe (Cannings 1987), a utility pole in a right-of-way through Jack Pine (*Pinus banksiana*) forest in Massachusetts (L. H. MacIvor, pers. comm.), a variety of nest box locations, and even a nest box in coastal shrub and sand dune meadows (Schaeffer 1968).

Since the literature provides no clear direction for appropriate nest box placement, we have erected nest boxes in a variety of situations. All boxes are at elevations between 766 m (2320 ft) and 895 m (2710 ft). Some boxes are on snags, mostly old Eastern White Pines (*Pinus strobus*), Eastern Hemlocks and Red Spruces along the edges of small clearings or shrub swamps, although some are within forest stands. Other boxes are on live hemlocks and spruces, both along edges and inside stands. Several boxes are on hardwood snags and some are on live hardwoods, primarily Yellow Birch (*Betula lutea*), Black Cherry (*Prunus serotina*), and Red Maple (*Acer rubrum*). Boxes face all directions and are generally mounted so that entrance holes are between 2.2 and 4.0 meters above the ground. The entrance holes of three boxes are between 4.1 and 5.3 meters. Flight paths to nest box entrances vary from unobstructed across open fields to nest boxes erected on snags, through those that are substantially obstructed by overhanging tree limbs, especially within coniferous forest stands. The box used in West Virginia (elevation 835 m) was mounted facing south, 3.4 meters above the ground on a 43 cm diameter breast height (dbh) Yellow Birch with a relatively unobstructed flight path to the box entrance. The Maryland box (elevation 837 m) was mounted facing northeast, 2.9 meters above the ground on a 43 cm dbh Eastern Hemlock with the flight path to the box entrance partially obstructed by overhanging limbs and adjacent Eastern Hemlocks.

CONCLUSION

The Northern Saw-whet Owl is a rare nesting species in Garrett County, Maryland. Although Northern Saw-whet Owls have been nesting in Garrett County for many years, it was not until 24 April 1993 that the first nest was found. Two of the four eggs in the nest hatched, but the young were eaten by an undetermined predator before they were old enough to fledge. The nest was in a nest box erected specifically for Northern Saw-whet Owls. The documentation of this nesting was the result of three years of effort toward improving our understanding of the breeding biology of the Northern Saw-whet Owl in Maryland. We plan on continuing this effort. It is our hope that over a period of years we will accumulate additional nest records and be able to monitor their success. From these future observations we will be able to better describe the basic breeding biology of the Northern Saw-whet Owl in Maryland. This increased understanding is crucial to maintaining Northern Saw-whet Owls as an element of Maryland's biodiversity.

ACKNOWLEDGMENTS

This ongoing study would not be possible without the help and cooperation of many people and we offer our sincerest thanks to all. The locations of several of the breeding pairs of Northern Saw-whet Owls that we are monitoring were provided by Garrett County residents and this information has been an important part of our

success. Tape-playback surveys have been supported by the Chesapeake Bay and Endangered Species Fund, administered, in part, by the Maryland Department of Natural Resources' (DNR) Wildlife Division, Nongame and Urban Wildlife Program. The DNR's Savage River State Forest has donated lumber for the nest boxes. The Maryland Chapter of The Nature Conservancy, Salem Childrens' Trust, Rock Lodge Trust, University of Maryland's Western Maryland 4H Center, Savage River State Forest, and several private land owners have allowed us to erect nest boxes on their property. The students of the Natural Resources and Wildlife Technology Program, and students participating in the Job Training Partnership Act construction class, both at Garrett Community College (GCC), constructed the nest boxes. From near its inception, M. Dene Wood, a GCC student, helped in most aspects of this effort. Other GCC students assisted by helping conduct tape-playback surveys and check nest boxes. Finally, Chandler S. Robbins, Elwood Martin and Jay M. Sheppard provided useful comments that improved this paper.

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THE SEASON

FALL MIGRATION, AUGUST 1 - NOVEMBER 30, 1992

DANIEL R. SOUTHWORTH AND LINDA SOUTHWORTH

The fall season resembled the summer, rather cool and frequently wet. Ocean storms were numerous. Many observers commented once again about the lack of good flights of neotropical migrants, although with the late summer breeding activity, the number of lingering birds was higher than usual.

Observers: Henry and George Armistead, Scott Atkinson, Maurice Barnhill, John Bjerke, Rick Blom, Larry Bonham, Connie Bockstie, Ed Boyd, Carol and Don Broderick, Gwen Burkhardt, George Chase, Martha Chestem, John Churchill, David Czaplak, Lynn Davidson, Fritz Davis, Margaret Donald, Jeff Effinger, Gerald Elgert, Ethel Engle, Jane Farrell, Roberta Fletcher (reporting for Caroline County), Ralph Geuder, Inez Glime, Jim and Patricia Gruber, Marvin Hewitt, Robert Hilton, Mark Hoffman, David Holmes, Marshall Iloff, Ottavio Janni, Kye Jenkins, Simone Jenion, George Jett, Harry Krueger, Doug Lister, Gail Mackiernan, Tom McIntyre, Nancy Magnusson, Mike and Grazina McClure, Stauffer Miller, Carolyn Mills, Dotty Mumford, Carol Newman, Paul Nistico, Mariana Nuttle, Michael O'Brien, Beth Olsen, Peter Osenton, Bonnie Ott, Jim

Paulus, Elizabeth Pitney (reporting for the Wicomico Bird Club), Fran Pope, Sue Probst, Kyle Rambo, Jan Reese, Sue Ricciardi, Robert Ringler, Chandler Robbins, Barbara Ross, Gene Scarpulla, Bill Scudder, Stephen Simon, Teresa Simons, Jo Solem (reporting for Howard County), Connie Skipper, Dan and Linda Southworth, Paul Spitzer, Jim Stasz, Mary Ann Todd, Mary Twigg, David Walbeck, Mark Wallace, Robert Warfield, Dave Webb, David Weesner, Joy Wheeler, Hal Wierenga, Erika Wilson, Jim Wilkinson, Helen Zeichner.

The leaders for the pelagic trips out of Ocean City, organized by Gene Scarpulla, are acknowledged under the Observers but sightings are listed in the text as (Scarpulla+).

Banding was conducted at Eastern Neck NWR by Jim and Trish Gruber, at Adventure by Margaret Donald, at Cherry Creek by Fran Pope and Connie Skipper, at Laurel by Chandler Robbins, and at Irvine by Barbara Ross.

Abbreviations: DC - District of Columbia, NWR - National Wildlife Refuge, SP - State Park, UMCF - University of Maryland Central Farm (Howard County), WMA - Wildlife Management Area.

Locations: Place names (with counties in parentheses) not in the index of the State highway map: Adventure Sanctuary (Montgomery), Assateague Island (Worcester), Black Hill Park (Montgomery), Black Marsh (Baltimore), Blackwater NWR (Dorchester), Bloodworth Island (Dorchester), Boxiron (Worcester), Cherry Creek (Garrett), Dan's Rock (Allegany), Deep Creek Airport (Anne Arundel), Deep Creek Lake (Garrett), E. A. Vaughn WMA (Worcester), Eastern Neck NWR (Kent), Greenbrier SP (Washington), Hains Point (DC), Hart-Miller Dredged Material Containment Facility (Baltimore), Hooper Island (Dorchester), Hughes Hollow (Montgomery), Irish Grove Sanctuary (Somerset), Irvine Natural Science Center (Baltimore), Jug Bay Wetlands Sanctuary (Anne Arundel), Lake Elkhorn (Howard), Lake Kittamaquidi (Howard), Liberty Reservoir (Carroll), Little Meadows Lake (Garrett), Little Seneca Lake (Montgomery), Loch Raven (Baltimore), McKeldin Area of Patapsco Valley State Park (Carroll unless noted otherwise), Monument Knob (Washington), Pennyfield (Montgomery), Piney Dam (Garrett), Piney Run Park (Carroll), Remington Farms WMA (Kent), Rockburn Branch Park (Howard), Rock Creek Park (DC), Rocky Gap SP (Allegany), Sandy Point SP (Anne Arundel), Schooley Mill Park (Howard), Sugarloaf Mountain (Frederick), Swallow Falls SP (Garrett), Sycamore Landing (Montgomery), Triadelphia Reservoir (Howard unless noted otherwise), Truitts Landing (Worcester), Town Hill (Allegany), Tuckahoe SP (Caroline unless noted otherwise), Violettes Lock (Montgomery).

Loons, Grebes. A **Red-throated Loon** was spotted at Claiborne on Oct. 4 (Richard Kleen). Other reports included single birds at Bellevue on Oct. 18 (Reese), and in DC on Nov. 2 and on the Potomac in Prince George's County on Nov. 20 (Janni). About 200 Red-throats were noted flying over Assateague in one hour on Nov. 22 (O'Brien) and 150 were counted at the Ocean City inlet on Nov. 28 (Hoffman, O'Brien+). **Common Loon** reports included 1 at Ocean City on Aug. 2 (Hoffman, O'Brien), 1 at Tilghman Island on Sept. 13 (Reese), 50 at Bellevue on Oct. 10 (H. Armistead+), 174 inland over Monument Knob on Oct. 17 (Davidson, Wierenga), 25 at Triadelphia Reservoir on Oct. 31 (Farrell, Solem), 29 at Loch Raven on Nov. 5 (Simon), 104 far inland over Town Hill on Nov. 7 (Paulus), 91 flying over the Georgetown Reservoir in a three-hour period on Nov. 7 (Czaplak, Janni), 95 at Wye River on Nov. 15 (Reese), and about 50 in an hour over Assateague on Nov. 22 (O'Brien). Inland **Pied-billed Grebes** were 21 in DC on Oct. 4 (Czaplak), 11 at Rocky Gap SP on Nov. 1 (Paulus), 36 at Loch

Raven on Nov. 15 (Simon), and 24 at Deep Creek Lake on Nov. 25 (Skipper). Hoffman and O'Brien discovered 2 **Horned Grebes** at Assateague on Oct. 17, Paul DuMont reported 150 at Eastern Neck NWR on Nov. 7, and Matthew O'Donnell counted 50 in DC on Nov. 8. An **Eared Grebe** was reported in DC on Oct. 4, Nov. 7, and Nov. 21 (Czaplak, Janni+).

Tubenoses, Gannets, Pelicans. Birders on the Aug. 8 pelagic trip out of Ocean City were treated to a **Cory's Shearwater**, 9 **Greater Shearwaters**, 14 **Audubon's Shearwaters**, 251 **Wilson's Storm-Petrels**, and 9 **Leach's Storm-Petrels** (Scarpulla+). The earlier Aug. 1 trip had to turn back because of high winds and seas but not before spotting 3 **Wilson's Storm-Petrels**. Another **Wilson's** was seen over the Chesapeake in Somerset County on Aug. 9 (Iliff, Ricciardi, Stasz). Some weathered-out pelagic birders were able to observe a **Greater Shearwater**, and 4 **Wilson's Storm-Petrels** from shore at Assateague on Aug. 15 (Scarpulla, Effinger, Olsen) and about 30 **Wilson's** off Ocean City the same day (Hoffman, O'Brien, Czaplak, Janni). The first **Northern Gannet** was spotted at Assateague on Oct. 4 (O'Brien) followed by 2 at Hooper Island on Nov. 15 (H. Armistead, Levon Willey), 70 at Tilghman Island on Nov. 21 (H. Armistead, Mills), and about 40 flying past Assateague in one hour on Nov. 22 (O'Brien). **Brown Pelicans** included 10 at Smith Island on Aug. 9 (Iliff, Ricciardi, Stasz), 167 at Ocean City on Sept. 11 (Czaplak), and 3 at Assateague and 13 at Ocean City on Nov. 28 (Czaplak, Hoffman, O'Brien+). An immature **American White Pelican** was reported at Assateague on Sept. 12 (Olsen, Effinger).

Cormorants. Single immature **Great Cormorants** were noted at Ganey's Wharf, Caroline County on Aug. 29 (Stasz) and Assateague on Oct. 1 (O'Brien). Another immature **Great Cormorant** was seen at Ocean City from Oct. 30 into December (Hoffman). High counts of **Double-crested Cormorants** were 275 at Poplar Island on Aug. 22 (Reese), 115 at Hooper Island on Aug. 23 (H. Armistead), 230 at Fort Armistead, Anne Arundel County on Sept. 24 (Blom), over 1200 throughout Assateague on Oct. 4 (Hoffman), and 50 at Denton on Nov. 3 (Catherine Adams). Interesting inland sightings included 1 immature at Piney Dam on Sept. 20-23 (Stasz, Churchill), 4 at Pennyfield on Sept. 21 (Wilson), 78 flying over Town Hill on Sept. 29 (Paulus), 1 at Triadelphia on Nov. 19 (Farrell), and an immature at Conowingo Dam on Nov. 28-29 (Blom).

Hérons, Ibises. Single **American Bitterns** were at Jug Bay on Sept. 24 (Stasz), and at UMCF, Oct. 3-17 (Atkinson, Chestem+). **Least Bitterns** were 3 at Lilypons on Aug. 9 (Don Stein), 4 near Boxiron on Aug. 12 (O'Brien), and 1 at Lilypons on Oct. 15 (Miller). Czaplak counted 63 **Great Blue Herons** in DC on Aug. 22, and Hoffman tallied about 50 migrant **Great Blues** at Assateague on Oct. 4. Interesting **Great Egrets** included 8 inland at Lilypons on Aug. 31 (Czaplak), 3 at Town Hill on Sept. 22 (Paulus), 1 at Black's Mill Road Pond, Frederick County on Oct. 22 (Blom), 1 at Centennial on Oct. 31 (Bockstie), 1 at Wye Island on Nov. 7 (Walbeck, Burkhardt), 5 at Assateague on Nov. 14 (Hoffman, O'Brien), 4 near Irish Grove on Nov. 15 (Julie Kelly), 1 near Boxiron the same day (O'Brien, Hoffman), and 1 at Blackwater on Nov. 21 (H. Armistead, Mills). Mark Hoffman counted 152 **Snowy Egrets** at Assateague on Aug. 7 and noted 5 there on Nov. 7. Steve Simon discovered a **Snowy** inland at Loch Raven on Sept. 10. **Little Blue Herons** included 40 at Assateague on Aug. 22 (Hoffman), 1 immature seen on a Labor Day walk led by Jean Williams and Joe Vangrin at Harford Glen (Dave Webb+), 40 at Assateague on Sept. 4 (Hoffman), 3 adults and 31 immatures at Courthouse Point, Cecil County on Sept. 5 (Stasz, Iliff), and 1 at Assateague on Nov. 14 (Hoffman, O'Brien). **Tricolored Herons** were not to be left out with a single bird at Hooper Island on Aug. 23 (H. Armistead), 30 at the Hungerford area of Assateague Island on Sept. 4

(Hoffman), and 1 at Assateague Nov. 7 (Hoffman) and Nov. 14 (O'Brien). The high count for **Cattle Egrets** was 75 in Cecil County on Aug. 24 (Reese). Czaplak noted a **Cattle Egret** in DC until Oct. 4, another was at Loch Raven on Oct. 29 (Simon), 2 were spotted at Ridgley on Oct. 29 (Scudder), and single birds were noted by George Jett at Governor's Bridge Road, Anne Arundel County on Oct. 31, at Davidsonville the same day, and in Ridge on Nov. 1. A **Green-backed Heron** was at Centennial on Nov. 4 (Farrell), Dave Weesner discovered another late green-backed at Greenbrier on Nov. 7, Bob Fletcher noted 2 at Denton on Nov. 20, and the Broderick's found 1 at Irish Grove on Nov. 14. The high report for **Black-crowned Night-Herons** was 30 at Smith Island on Aug. 9 (Stasz), and another 30 were at West Ocean City at dusk on Oct. 17 (Hoffman, O'Brien). Cam Lewis and Ray McCoy reported an immature inland at Hagerstown on Oct. 10. Stauffer Miller notched 2 adult **Yellow-crowned Night-Herons** near Adamstown on Aug. 2, a second-year bird was at West Ocean City on Aug. 8 (Hoffman, O'Brien+), at least 9 were at Smith Island on Aug. 9 (Iliff, Ricciardi, Stasz), an immature was at Chesapeake Beach on Aug. 26 (Stasz), another juvenile was at Assateague on Sept. 4 (Hoffman), and Sarah Smith reported a Yellow-crowned in DC on Oct. 5-7. **Glossy Ibis** reports were of 126 at Assateague on Aug. 7 (Hoffman), 90 at Vienna on Aug. 16 (Reese), 7 at Assateague on Sept. 19 (O'Brien), and 2 at Blackwater on Sept. 20 (H. Armistead+).

Swans, Geese. Early **Tundra Swans** spotted were 1 at Monument Knob on Oct. 17 (Davidson, Wierenga), 7 at Town Hill on Oct. 19 (Paulus), and 12 inland at Loch Raven on Oct. 29 (Simon). The highest count was 4000 at Eastern Neck on Nov. 15 (Grubers). Harry Armistead reported a new regional peak for **Mute Swans** with a depressing 735 at Hooper Island on Aug. 23. Hoffman and O'Brien noted 2 flyover Mute Swans at West Ocean City on Nov. 29. Near Snow Hill on Oct. 20, Mike O'Brien discovered a **Ross' Goose** that was seen through Nov. 27 by others. Another was at Blackwater on Nov. 7 (David Arbor). Reese found a lone **Snow Goose** at Hurlock on Aug. 5 and Stasz found 1 adult at Jug Bay on Sept. 24. Other reports included 3500 near Snow Hill on Oct. 23 (Hoffman), 450 at Sudlersville on Oct. 12 (Grubers), 53 flying inland over UMCf on Oct. 31 (Atkinson), 16 in DC on Nov. 1 (Janni), and 20 near Knoxville on Nov. 8 (Miller). A **Brant** was at North Branch on Oct. 31 (Paulus), a nice find of 300 were present at Assateague on Nov. 1 (Hoffman, O'Brien), 1 was noted in DC on Nov. 2 (Janni), and over 1400 were noted flying south at Ocean City on Nov. 28 (Czaplak). Late summer flocks of **Canada Geese** included 425 at Blackwater on Aug. 23 (H. Armistead). A single small race bird was at Chestertown on Oct. 8 (Grubers) and Nov. 27 (Stasz), another hutchins form was near Easton on Oct. 30 (O'Brien, Michael Guilfoyle), and 1 hutchins was at Blackwater on Nov. 8 (H. Armistead).

Dabbling Ducks. Hoffman reported a nice count of 100 **Wood Ducks** near Girdletree on Oct. 9, 4 Wood Ducks were still present at UMCf on Nov. 21 (Atkinson), and a single bird was seen flying with scoters past Ocean City on Nov. 28 (O'Brien, Hoffman+). Early **Green-winged Teal** were 2 at Berlin on Aug. 15 (Hoffman), 1 at Whittier, Frederick County on Aug. 17 (Miller), and 95 at Blackwater on Aug. 23 (H. Armistead); 70+ were at Tanyard on Oct. 22 (Engle), and 350 at Blackwater on Nov. 8 (H. Armistead+). Hoffman tallied 200 **American Black Ducks** at Assateague on Oct. 16 and 300 **Mallards** at West Ocean City on Oct. 24. Other Mallard reports included 470 in DC on Oct. 4 (Czaplak), 400+ at Wye River on Nov. 15 (Reese), and 189 at Deep Creek Lake on Nov. 25 (Skipper). Notable numbers for **Northern Pintail** were 1000 at Remington Farms on Oct. 8 (Grubers), 175 in DC on Nov. 7 (Czaplak), and 600 at Blackwater on Nov. 8 (H. Armistead+). There were 65 **Blue-winged Teal** at Blackwater on Aug. 23 (H. Armistead), 60 in DC on Sept. 5 (Czaplak), and 1 seen at Assateague on Nov. 7 (Hoffman). A **Northern Shoveler** was at Hurlock on Aug. 23 (H. Armistead).

and high counts included 450 at Chestertown on Oct. 8 (Grubers), 40 at Pocomoke City on Oct. 9 (Hoffman), 90 at Pomona on Oct. 27 (Reese+), and a record 240 in DC on Nov. 7 (Czaplak). Dave Czaplak found 40 **Gadwalls** in DC on Nov. 21 and Steve Simon located 28 inland at Loch Raven on Nov. 29 and an **American Wigeon** there on Sept. 2, increasing to 160 on Nov. 8. Martha Chestem discovered 3 American Wigeons inland at Lake Kittamaquundi on Sept. 18.

Aythya Ducks. A **Canvasback** was noted at Loch Raven on Oct. 16 (Wheeler), and Hoffman spotted 1 on Oct. 24 at West Ocean City, where there were 250 on Nov. 29 (Hoffman, O'Brien). **Redhead** reports remain low with 8 at Little Seneca Lake on Nov. 10 (Fred Nelson), 3 females at West Ocean City on Nov. 15 (O'Brien, Hoffman), and a male near Marshall Hall on Nov. 21 (Jett). **Ring-necked Ducks** included 1 in DC on Sept. 5 (Czaplak), 1 at Loch Raven on Oct. 4 (Simon), 23 in DC on Oct. 19 (Ted Unseth), 40 at Big Pool on Nov. 7 (Stasz, Jett), 270 in DC on Nov. 11 (Czaplak), and 400 at Loch Raven on Nov. 29 (Simon). **Greater Scaup** sightings remain few and far between; 2 were at Big Pool on Nov. 7 (Stasz, Jett). A very early **Lesser Scaup** was at Hart-Miller on Aug. 22 (Dennis Kirkwood, Webb+), one was off Jones Point on Aug. 25 (Janni), and another at Loch Raven on Sept. 13 (Simon). Connie Skipper notched 79 Lessers at Deep Creek Lake on Nov. 13.

Other Diving Ducks. An immature male **Common Eider** was reported at Point Lookout, Oct. 24-Nov. 8 (Paula & Dave Bohaska+), and 2 females at Ocean City on Nov. 2 (Paul Lehman). Inland sightings of **Oldsquaw** were 3 at Loch Raven on Nov. 1 (Simon), 7 there on Nov. 29 (Jenkins), 9 at Rocky Gap on Nov. 1 (Paulus), 500 at Eastern Neck NWR and 500 at Kent Island on Nov. 7 (Paul DuMont), 1 at Greenbrier on Nov. 7 and 5 there on Nov. 19 (Weesner), 60 at Town Hill on Nov. 7 (Stasz), 2 at a pond near Knoxville on Nov. 8 (Miller), 71 at Triadelphia on Nov. 15 (Osenton), and 700 at Tilghman Island on Nov. 21 (H. Armistead, Mills). Janni and Czaplak spotted 13 **Black Scoters** at Ocean City on Aug. 15, and 460 were estimated there on Nov. 29 (Czaplak). Two males were inland at Loch Raven on Oct. 25 (Jenkins, Simon, Deb Terry), a DC record high of 25 was tallied on Nov. 1 (Janni, Howard Elitzak), 5 were at Loch Raven the same day (Simon), 2 were noted at Violettes Lock on Nov. 2 (Todd), and a female was near Marshall Hall on Nov. 21 (Jett). **Surf Scoters** were also evident with 8 at Poplar Island on Aug. 22 (Reese), 9 at Loch Raven on Nov. 1 (Simon), 1 in DC on Nov. 1 (Howard Elitzak), a first-winter male at Violettes Lock on Nov. 2 (Todd), 250 at Bellevue on Nov. 7 (H. Armistead), 1 at Little Seneca Lake on Nov. 7 (Fred Nelson), 100 at Assateague on Nov. 8 (Hoffman), 2 females at Rocky Gap on Nov. 8 (Churchill), and 200 at Ocean City on Nov. 28 (Czaplak). Jan Reese checked off 22 **White-winged Scoters** at Poplar Island on Aug. 22. Other reports were of a female at Piscataway Bay on Nov. 1 (Nistico), 75 at Tilghman Island on Nov. 21 (H. Armistead, Mills), 40+ at Ocean City on Nov. 28 (Hoffman, O'Brien, Czaplak, Todd), and a male and a female at Loch Raven on Nov. 29 (Jenkins). Hoffman and O'Brien reported about 400 unidentified scoters in a 3 hour-period at Ocean City on Nov. 28. The first **Buffleheads** of the season were 12 at Centennial on Oct. 19 (Chestem, Zeichner). High counts included 170 in DC on Nov. 7 (Czaplak), 150 at Assateague on Nov. 14 (Hoffman, O'Brien), and 110 at Tilghman Island on Nov. 21 (H. Armistead, Mills). An early adult male **Hooded Merganser** was in DC on Oct. 19 (Ted Unseth), and other inland reports were of 41 at Loch Raven on Nov. 12 (Simon) and 33 at Deep Creek Lake on Nov. 25 (Skipper). Ottavio Janni observed 12 **Common Mergansers** flying over DC on Nov. 7. Jan Reese found an early **Red-breasted Merganser** at Poplar Island on Aug. 22. Hoffman totaled over 90 throughout Assateague on Nov. 7 and Czaplak counted 30 in DC on Nov. 21 and 193 in Ocean City on Nov. 28. **Ruddy Duck** reports remain scarce, but Al Haury reported 600+ at the Westinghouse Pond at the foot of the Bay Bridge on Nov. 3. A

single early Ruddy was at Wilde Lake on Aug. 29 (Zeichner), a female was at Chesapeake Beach on Sept. 13 (Stasz), 2 birds were at Easton on Sept. 25 (Reese), and 39 were at Rocky Gap on Nov. 1 (Paulus).

Exotic Waterfowl. Rick Blom identified a male **Marbled Teal** and a male **Chiloe Wigeon** at Culler Lake, Frederick on Nov. 6 and a male and female **Mandarin Duck** there on Nov. 20.

Vultures. Interesting sightings of **Black Vultures** were 1 at Cumberland on Sept. 25 (Ricciardi, Twigg), 52 at Tanyard on Oct. 20 (Engle), 65 at Conowingo Dam on Oct. 21 (Blom), and 2 migrating over DC on Nov. 8 (Czaplak). **Turkey Vultures** included 65 at Vienna on Aug. 16 (Reese), 170 at Tanyard on Oct. 5 (Engle), 120 at Conowingo on Oct. 21 (Blom), 150 at Easton on Nov. 7 (Reese), and 121 at Hooper Island (H. Armistead, Mills+), 100 at Tilghman Island (Reese), and 86 at DC (Czaplak) on Nov. 8.

Eagles, Hawks. A table is included for the fall hawk watch at Town Hill. Jan Reese tallied 32 **Ospreys** at Tilghman Island on Aug. 1. Rambo noted a late bird at Benedict on Nov. 5 and Bonham recorded Nov. 12 as the departure date for Osprey in Montgomery County. A second-year **Bald Eagle** was in Middletown Valley, Frederick County on Nov. 15 (Miller). The first migrant **Northern Harriers** were single birds near Lilypons on Aug. 2 (Miller) and at Tilghman Island on Aug. 23 (Reese). Czaplak checked off 5 in DC on Nov. 8. Harry Armistead noted an early **Sharp-shinned Hawk** at Blackwater on Aug. 23 and totaled 69 at Hooper Island on Oct. 25; 15 tardy birds were at Assateague on Nov. 16 (O'Brien). The first **Cooper's Hawk** was an immature at Cambridge on Aug. 16 (Czaplak), another was at Assateague on Aug. 22 (Hoffman), and 7 were checked off at Hooper Island on Oct. 25 (H. Armistead). **Northern Goshawks** were well represented with single birds at Monument Knob on Oct. 17 (Davidson, Wierenga), an adult female at Hooper Island on Oct. 25 (H. Armistead), an immature at UMCF Oct. 31 (Atkinson) that was seen again Nov. 15 (Robert Holbrook), and another at Eastern Neck on Nov. 15 (Grubers). Czaplak tallied 37 migrant **Red-shouldered Hawks** in DC on Nov. 8 and **Broad-winged Hawk** reports included 135 over Laurel on Sept. 12 (Chandler Robbins), 929 at Schooley Mill on Sept. 13 (Magnusson, Farrell), 608 at Sycamore Landing on Sept. 20 (Czaplak), and 2 late birds at Hooper Island on Oct. 25 (H. Armistead). High counts for **Red-tailed Hawks** were 95 at Hooper Island on Oct. 25 (H. Armistead), 113 in DC on Nov. 7 (Janni), 217 there on Nov. 8 (Czaplak, Janni), and 28 at Tilghman Island on Nov. 8 (Reese). Janni identified a **Rough-legged Hawk** in DC on Oct. 22, Charles Vaughn spotted a dark phase bird at Deal Island WMA on Nov. 7, and Paulus noted 2 dark phase flying together at Martin Mountain on Nov. 15. **Golden Eagle** reports included an early immature at Cumberland on Sept. 27 (Twigg). A single bird was in DC on Nov. 7 (Czaplak, Janni), an adult was at Bellevue the same day (H. Armistead), 1 adult and 1 immature were at Eastern Neck on Nov. 8 (Grubers), 1 golden was off Route 270, Montgomery County on Nov. 18 (Paul Fritz), and 2 immatures were flying over Chestertown on Nov. 27 (Grubers).

Falcons. High counts for the **American Kestrel** were 26 at Blackwater on Sept. 20 (H. Armistead+) and 63 at Eastern Neck on Oct. 4 (Grubers). Magnusson and Farrell notched an early **Merlin** at Freestate Raceway, Laurel on Aug. 22. Others included 1 at Assateague on Sept. 3 (Hoffman), 1 at Claiborne on Sept. 11 (Stasz), 1 at Thomas Stone National Historic Site, Charles County on Sept. 19 (Nistico), 6 at Assateague on Sept. 20 (O'Brien), 1 in DC on Sept. 23 (Janni), 2 at Eastern Neck on Oct. 4 and 1 on Nov. 15 (Grubers), 2 at Assateague on Nov. 14 (O'Brien), 1 at Hains Point on Nov. 14 (Davis) and Nov. 22 (Hilton), 1 at Snow Hill on Nov. 22 (Davidson, Wierenga), an adult at Shady Grove Adventist Hospital campus on Sept. 22 (Krueger), and 1 at Long Reach in

Table 1. Hawk Migration at Town Hill, Allegany County, Fall 1992**Compiled by Jim Paulus**

Species	First	Last	Total	Best Days
Black Vulture	8/30	11/ 5	34	7 on 9/12 & 9/20
Turkey Vulture	10/10	11/13	256	53 on 10/17, 44 on 10/25
Osprey	8/18	10/13	58	6 on 9/23, 5 on 9/22
Bald Eagle	8/20	11/13	13	3 on 9/13, 2 on 9/14
Northern Harrier	8/ 6	11/ 8	43	4 on 9/11, 3 on 11/7
Sharp-shinned Hawk	8/ 5	11/14	596	48 on 10/17, 37 on 10/19
Cooper's Hawk	8/31	11/ 9	50	6 on 10/23, 5 on 10/19
Northern Goshawk	11/ 4	11/ 9	4	2 on 11/6
Red-shouldered Hawk	9/14	11/14	26	6 on 10/23, 3 on 10/19
Broad-winged Hawk	8/ 5	9/30	1020	170 on 9/14, 169 on 9/11
Red-tailed Hawk	8/31	11/14	510	83 on 11/6, 48 on 10/25
Golden Eagle	9/20	11/13	31	9 on 11/6, 4 on 11/9
American Kestrel	8/15	10/19	47	11 on 9/11
Merlin	8/24	10/23	6	2 on 9/20
Peregrine Falcon	9/18	10/10	3	
Unidentified			74	
Total	8/ 5	11/17	2771	213 on 9/11, 211 on 9/14

77 days, 294 hours

Table 2. Hawk Migration at Monument Knob, South Mountain, Washington County, Fall 1992**Compiled by Lee Murray**

Species	First	Last	Total	Best Days
Osprey	8/29	10/17	121	15 on 9/9 and 9/19
Bald Eagle	9/ 5	9/13	6	2 on 9/9 and 9/13
Northern Harrier	8/31	11/27	60	5 on 9/19, 10/10, 11/3
Sharp-shinned Hawk	8/23	11/23	861	66 on 10/8 and 10/14
Cooper's Hawk	8/23	11/23	100	17 on 10/10
Northern Goshawk	10/17	11/ 6	3	2 on 11/6
Red-shouldered Hawk	9/20	11/14	115	30 on 10/25
Broad-winged Hawk	8/23	10/10	2582	588, 9/15; 501, 9/14
Red-tailed Hawk	8/29	12/3	1056	229, 11/6; 189, 10/25
Golden Eagle	10/25	11/15	6	3 on 11/15
American Kestrel	8/23	10/17	99	36 on 9/19; 17, 9/11
Merlin	9/19	10/10	9	2 on 10/4
Peregrine Falcon	8/20	10/28	9	2 on 10/4
Unidentified			223	
Total (80 days, 380 hr)	8/20	12/ 3	5315	668 on 9/15; 530, 9/14

Columbia on Nov. 29 (Farrell, Solem). Many **Peregrine Falcons** were again observed with 1 at Brown's Bridge, Howard County on Aug. 11 (Zeichner, Bockstie), 1 at Assateague on August 28 (Hoffman), 1 at Lake Elkhorn on Sept. 10 and Oct. 13 (Wilkinson), 2 at Assateague on Sept. 19 (Hoffman, O'Brien), and 1 in DC on Nov. 19 (Mary Sherbourne).

Gallinaceous Birds, Rails, Coots. Ethel Engle observed 3 young **Ring-necked Pheasants** at Tanyard on Oct. 13 and 17, and Stauffer Miller discovered an adult **Ruffed Grouse** with 5 young near Thurmont on Aug. 2. **Wild Turkeys** included 2 hens near Gum Swamp, Wicomico County on Aug. 15 (Iliff, Stasz, Jett), a domesticated escape at Taylors Island on Aug. 29 (Stasz), and 15 Wild Turkeys at Lilypons on Nov. 22 (Mackiernan). Reese found a female **Northern Bobwhite** with 8 small young at Kent Island on Aug. 25. Jim Stasz heard 2 of the elusive **Black Rails** calling near Wingate on Oct. 9 and 2 **Clapper Rails** were heard calling at Deep Creek Airport on Aug. 19-21 (Stasz, Iliff, Boyd). **King Rails** were represented this fall with 2 at Nanticoke Marshes on Aug. 14 (Stasz, Iliff), as were **Virginia Rails** with 15 at Truitts Landing on Oct. 10 (Hoffman), 1 calling at Hog Island on Nov. 3 (Engle), and another at Easton on Nov. 7 (Reese). A **Common Moorhen** was calling at Tanyard, Aug. 26—Sept. 8 and 5 roadkills were noted there from September through Oct. 15 (Engle); an immature was at West Ocean City on Oct. 16 (Hoffman). **American Coots** included 2 at Loch Raven on Sept. 10 (Simon), 530 at Deep Creek Lake on Nov. 13 (Skipper), a raft of about 300 at Little Seneca Lake on Nov. 15 (Denise Gibbs), 300 in DC on Nov. 21 (Czaplak), and 900+ at Loch Raven on Nov. 28 (Simon).

Plovers, Oystercatchers, Avocets. **Black-bellied Plovers** began with 9 at Hooper Island on Aug. 23 (H. Armistead), and the high counts for the season were 100 at Assateague on Oct. 10 (Hoffman) and 200 at Ironshire on Nov. 4 (O'Brien). Others included an adult at Sycamore Landing, Sept. 1-2 (Czaplak), an immature at North Beach, Oct. 19-20 (Stasz), 2 at Blackwater on Oct. 27 (Wilson), and 1 at Tilghman Island on Nov. 1 (Reese). **Lesser Golden-Plover** reports were numerous including an adult at Assateague, Aug. 27 (Hoffman), a bird near Lilypons, Sept. 7 (Miller), and 10 very late there on Nov. 11 (Czaplak). One was in DC on Sept. 19 (Janni), another at Pleasant Plains Turf Farm, Anne Arundel County on Sept. 29 (Walbeck), 1 at North Branch, Oct. 4 (Twigg), 1 at UMCf the same day (Atkinson), and 14 throughout Dorchester County on Oct. 11 (H. Armistead). O'Brien reported Lessers running late: 11 birds near Snow Hill on Nov. 15, and 1 at Assateague on Nov. 16. A juvenile **Wilson's Plover** was found at Assateague on Aug. 26 by Dave Brinker and Christine Simoes and was seen through August (Hoffman, O'Brien+). This species was known to nest in Maryland until 1985 and is rarely seen in recent years. The high for the **Semipalmated Plover** was 120 at Ocean City on Aug. 14 and 200 at Assateague the same day (Hoffman); single birds were at Blackwater on Oct. 27 (Wilson) and at George Island Landing on Nov. 19 (O'Brien). From three to six endangered **Piping Plovers** were spotted at Assateague on Sept. 13 (Czaplak, Hoffman, O'Brien+). **Killdeer** highs were 63 at Piney Dam on Oct. 16 (Churchill), 250 near Snow Hill on Nov. 4 (O'Brien), and 200 in a flock near Snow Hill on Nov. 27 (Hoffman). An **American Oystercatcher** remained at Hooper Island on Aug. 23 (H. Armistead); 106 were in Ocean City on Aug. 9, and 48 lingered there on Nov. 15 (Hoffman, O'Brien). An **American Avocet** was found this season, an immature at Chesapeake Beach, an unusual location for this species, on Aug. 14 and seen off and on through Sept. 15 (Stasz, Iliff).

Tringine Sandpipers. The high for **Greater Yellowlegs** was 40 at Assateague on Aug. 22 (Hoffman). Later Greaters were single sightings at Deep Creek Lake on Nov. 11-13 (Skipper), at Accokeek Marsh on Nov. 21 (Nistico), and at Loch Raven on Nov.

22 (Jenkins). **Lesser Yellowlegs** included 80+ throughout Assateague on Aug. 7 (Hoffman) and 65 at Blackwater on Aug. 23 (H. Armistead). The Grubers found a **Willet** at Eastern Neck on Aug. 20, and 15 of the "western" race were identified at Assateague on Sept. 13 (O'Brien+). A nice sighting of 30 **Spotted Sandpipers** was reported at Rocky Gorge Reservoir in Howard County on Aug. 22 (Gerald Elgert), and a late bird was observed at Loch Raven on Oct. 25 (Jenkins, Simon, Terry).

Curlews, Godwits, Turnstones. **Upland Sandpiper** sightings were numerous but only one large group was reported: 38 at the Salisbury Airport on Aug. 8 (Reese) and 16 still there on Aug. 16 (Iliff, Stasz). Others were 4 near McMaster Road, Worcester County on Aug. 7 (Hoffman), 3 at Bradenbaugh, Harford County on Aug. 22 (Dennis Kirkwood, Webb+), 11 near Lilypons on Aug. 23 (Czaplak), 1 heard calling overhead at Nanticoke Marshes on Sept. 10 (Stasz), and 6 near Chestertown on Sept. 12 (O'Brien). A nice find of 13 **Whimbrels** was recorded at Assateague on Sept. 11 (Hoffman) and a solo bird was noted at Hart-Miller on Sept. 19 (Ricciardi). Single **Hudsonian Godwits** were checked off at Assateague on Aug. 23 (Hoffman), at Blackwater on Oct. 31 (David Arbor, Mary Gustafson, Bruce Peterjohn), and at West Ocean City on Nov. 5 (O'Brien). Unusual inland sightings of **Ruddy Turnstones** were 1 in DC on Aug. 29 (Janni), 1 at Liberty Reservoir on Sept. 7 (Iliff+), and 1 at North Branch on Sept. 19-20 (Stasz+).

Calidrine Sandpipers. **Red Knot** sightings remain rare with 1 at the Ocean City inlet on Nov. 22 (Hoffman, O'Brien). A **Sanderling** was found at an unusual location on Sept. 7, inland at Liberty Reservoir (Stasz+). Others reported were the high count of 2500 at Assateague on Aug. 7 (Hoffman), 25 at Hooper Island on Aug. 23 (H. Armistead), 1 inland at Loch Raven on Sept. 17 (Simon), 32 at PRNAS on Nov. 10 (Lister), and 11 at Pleasure Cove Yacht Club, Anne Arundel County on Nov. 20 (Stasz). **Semipalmated Sandpipers** included groups of 370 throughout Assateague on Aug. 7 (Hoffman), 30 inland at North Branch on Sept. 21 (Twigg), and 4 at Assateague on Oct. 25 (Hoffman). The high for the **Western Sandpiper** was 100 at Assateague on Aug. 2 (Hoffman, O'Brien), 1 was found at Lilypons on Sept. 1, (Miller), and 4 were recorded at Figgs Landing Road, Worcester County on Nov. 27 (O'Brien). Rounding out the small peeps, Hoffman tallied 270 **Least Sandpipers** at Assateague on Aug. 7; 20 were there on Nov. 14 (Hoffman, O'Brien). **White-rumped Sandpipers** made the list this season with 1 at North Branch on Aug. 29 (Twigg) and 2 at Assateague on Nov. 1 (Hoffman, O'Brien). **Baird's Sandpipers** were 1 at Hart-Miller on Sept. 3 (Stasz), 6 inland at Liberty Reservoir on Sept. 7 (Ringler+), 1 at North Branch, Sept. 19-20 (Stasz+), and 1 at Cumberland on Oct. 24 (Twigg). **Pectoral Sandpiper** numbers were down this season with 25 at Assateague on Sept. 10 (Hoffman), 15 juveniles at Lilypons on Oct. 1 (Blom), 1 at Assateague on Nov. 1 and 2 at Rumbly Point on Nov. 11 (O'Brien), and 1 at Blackwater on Nov. 15 (H. Armistead+). Thirty **Purple Sandpipers** were at the Ocean City inlet on Nov. 22 (Hoffman, O'Brien), and **Dunlin** sightings were as follows: 2 at Assateague on Aug. 23 and 1 there on Aug. 28 (Hoffman), 1 inland at Centennial on Oct. 8 (Farrell, Solem), 250 at Hooper Island on Oct. 25 (H. Armistead), 250 at Blackwater on Oct. 27 (Wilson), 1 inland at Triadelphia on Nov. 7 (Magnusson), 1 at PRNAS on Nov. 25 (Lister), and 400 at Figgs Landing Road, Worcester County on Nov. 27 (Hoffman, O'Brien). **Stilt Sandpiper** sightings were low again this season with single bird observations at Courthouse Point on Sept. 5 (Iliff, Stasz), at North Branch on Sept. 6 (Twigg), and at Chesapeake Beach on Sept. 27 (Jett). A few **Buff-breasted Sandpipers** made an appearance this fall with 2 at Easton on Aug. 24 (Steve Ford), 3 at Hart-Miller on Aug. 31 (Jett), 1 there on Sept. 3 (Stasz), and an immature at Mt. Airy, Frederick County on Sept. 21 (Krueger, Miller). The **Ruff** was not to be left out with a female discovered at Assateague on Sept. 12 (Stasz, Krueger).

Dowitchers, Phalaropes. Three **Short-billed Dowitchers** were located inland at Liberty Reservoir on Sept. 7 (Ringler+) and 7 at Assateague on Sept. 12 (Czaplak). **Long-billed Dowitchers** included 4 at Blackwater on Aug. 29 (Stasz), an immature at Chesapeake Beach on Sept. 19 (Jett), and a first-winter bird at Figgs Landing Road, Worcester County on Nov. 27 (Hoffman, O'Brien). A few **Wilson's Phalaropes** appeared on lists this fall with single birds at Assateague, Sept. 11-12 (Czaplak, Hoffman, O'Brien+), at Blackwater on Sept. 20 (H. Armistead+), and an immature at Chesapeake Beach, Sept. 21-22 (Stasz, Iliff). Two **Red-necked Phalaropes** were checked off on the Aug. 8 pelagic trip from Ocean City (Scarpulla+), and another was discovered at the Easton sewage ponds on Sept. 26 (George Armistead). A **Red Phalarope** was seen from a fishing boat about 22 miles east of Ocean City on Oct. 11 (Hoffman), and another was at Assateague on Sept. 12 (Paul Pisano).

Jaegers, Gulls. A **Pomarine Jaeger** was identified off Ocean City on Nov. 29 (Hoffman, O'Brien) and 2 **Parasitic Jaegers** were notched on the Aug. 8 pelagic trip out of Ocean City (Scarpulla+) as were 2 unidentified jaegers. Single unidentified jaegers were seen during the Ocean City pelagic trip on Aug. 1 (Scarpulla+), at Ocean City on Nov. 11 (O'Brien), and off Ocean City waters on Nov. 29 (Hoffman, O'Brien). **Laughing Gulls** were on the move through Howard County again this season with 22 at Alpha Ridge landfill, Howard County on Aug. 8 (Magnusson), and 27 toward the end of the season at Route 216 and Hall Shop Road on Nov. 22 (Osenton, Solem), but the largest count inland was at Liberty Reservoir, where on Sept. 24 Scarpulla tallied 400 Laughers. Other counts included 2000 at Granny Branch Road, Queen Anne's County on Aug. 25 (Grubers), 6000 at Worcester County landfill on Aug. 29 (Hoffman), and 96 at Tilghman Island on Nov. 22 (Reese). For the third fall in a row **Little Gulls** were identified with an adult at Ocean City, Nov. 11-29 (O'Brien+), and 2 adults seen off Ocean City from a fishing boat on Nov. 29 (Hoffman, O'Brien). An adult **Common Black-headed Gull** appeared at Conowingo Dam on Nov. 29 (Blom), and the high count for **Bonaparte's Gulls** also occurred at Conowingo with 2500 on Nov. 28-29 (Blom). The first arrivals, very early, were 35 at PRNAS on Sept. 30 (Rambo, Lister), 11 were seen inland at Violettes Lock on Nov. 3 (Todd), 50 visited Eastern Neck on Nov. 7 (Paul DuMont), 25 were noted at Tilghman Island on Nov. 8 (Reese), 10 were inland at Little Seneca Lake on Nov. 5 (Czaplak), and 250+ appeared at Ocean City on Nov. 28 (Czaplak, Hoffman+). Jan Reese located 2500 **Ring-billed Gulls** near Easton on Nov. 2 and Mike O'Brien found an adult **Thayer's Gull** at the Worcester County landfill on Nov. 22. **Lesser Black-backed Gulls** were again numerous and for the second consecutive fall arrived in August with 1 at Smith Island the 9th (Stasz), 1 at Point Lookout the same day (Iliff+), 1 at Hart-Miller on the 22nd (Dennis Kirkwood), 1 at Worcester County landfill on the 29th (Hoffman), and 9 at Hart-Miller on August 31 (Jett). Others included an adult at Ocean City on Sept. 13 (Hoffman, O'Brien+), 2 at Sandy Point SP on Sept. 26 (Davidson, Wierenga, Blom), 1 at Washington Navy Yard on Oct. 6 (Jim Ford), 2 at Eastern Neck on Nov. 1-27 (Grubers+), 1 adult at Blackwater on Nov. 21 (H. Armistead, Mills), 4 in DC on Nov. 22 (Janni), 5 at Laytonsville on Nov. 27 (Janni), and 1 adult and 1 third- winter at Conowingo Dam on Nov. 29 (Blom). High counts for **Great Black-backed Gulls** were 350+ adults at the Chesapeake Bay Bridges on Aug. 26 (Reese) and 500 at Conowingo Dam on Nov. 29 (Blom). An immature **Black-legged Kittiwake** was seen flying north over Ocean City on Oct. 30 (Hoffman) and 60, including 5 immatures, were seen from a fishing boat off Ocean City on Nov. 29 (Hoffman, O'Brien).

Terns, Skimmers. Czaplak discovered 3 **Gull-billed Terns** at Ocean City on Aug. 15, and the first **Caspian Tern** noted was at Loch Raven on Aug. 7 (Simon) increasing to 3 birds there on Aug. 23 (Jenkins, Simon). Other inland Caspians included 2 near

Lilypons on Aug. 17 (Miller), 13 at Triadelphia on Aug. 23 (Farrell, Solem), 3 at Violettes Lock on Aug. 29 (Pisano), 2 birds flying over Frederick on Sept. 6 (Miller), 2 at Liberty Reservoir on Sept. 7 (Iliff+), 3 in Greenbelt on Sept. 10 (Southworths), 2 at Laurel on Sept. 30 (Robbins), and a late bird in DC on Nov. 2 (Janni). Hoffman found 25 birds at Assateague on Aug. 28, Stasz checked off 91 at Blackwater on Aug. 29, Harry Armistead counted 75 at Blackwater and 25 at Hooper Island on Aug. 23, and the Grubers tallied 35 at Eastern Neck on Sept. 30. **Royal Terns** numbered 400 at Ocean City on Aug. 9 for the season high, and 2 birds were spotted there Nov. 15 (Hoffman, O'Brien). Royals were regularly seen on the Choptank River, Caroline County throughout the fall in small numbers from Aug. 29 (Stasz) to Nov. 5 (D. Ford), 6 were at Eastern Neck on Sept. 4 (Stasz), 2 were at Fort Armistead, Anne Arundel County on Sept. 24 (Blom), and 2 were at Chester on Nov. 2 (Reese). **Sandwich Terns** were in the Ocean City area with an adult and a juvenile on Aug. 9-15 (Czaplak, O'Brien, Iliff, Stasz) and 6 on Sept. 5 (O'Brien, Hoffman). Others were 2 at Hooper Island on Aug. 23 (H. Armistead), 2 at Assateague on Sept. 3 (Hoffman), an adult at Assateague on Sept. 11 (Hoffman), and 2 at Point Lookout on Sept. 26 (Mary Gustafson). The high count for **Common Terns** was 565 at Ocean City on Aug. 9 (Hoffman, O'Brien). Pelagic birders out of Ocean City enjoyed a first-summer **Arctic Tern** on Aug. 1 (Scarpulla+). This was the first Arctic Tern to be photodocumented in Maryland (by Brian Patteson). Inland **Forster's Terns** included a first-winter bird north of Frederick on Aug. 3 (Miller) and 9 at Loch Raven on Sept. 10 (Simon). Others were 500 at Eastern Neck on Sept. 24 (Grubers) and 30 there on Nov. 7 (Paul DuMont), 300 flying over Sandy Point SP on Sept. 26 (Blom), 500 at Conowingo Dam on Oct. 14 (Blom), 200 at Hooper Island on Oct. 25 (H. Armistead), 65 at Blackwater on Nov. 8 and 12 there on Nov. 21 (H. Armistead+), 1 at Accokeek Marsh on Nov. 21 (Nistico), 4 at Tilghman Island on Nov. 22 (Reese), and 30 at Ocean City on Nov. 28 (Hoffman, O'Brien+). Marshall Iliff spotted a late **Least Tern** at Tanyard on Sept. 16 and 4 **Bridled Terns** added to the excitement during the Aug. 8 pelagic foray from Ocean City (Scarpulla+). For the third straight season **Black Terns** were reported with 2 at Hurlock on Aug. 16 (Stasz, Ringler), another at North Beach on Aug. 21 (Stasz, Boyd), 7 in DC on Aug. 25 (Janni), 7 at Assateague on Aug. 28 (Hoffman), 3 at Seneca the same day (Czaplak), 8 at Assateague on Sept. 11 (Hoffman, O'Brien+), and 4 in DC on Sept. 19 (Czaplak). About 140 **Black Skimmers** were on hand at Ocean City on Aug. 9th and 2 immatures remained there on Nov. 11 (Hoffman, O'Brien); 12 were noted at Hooper Island on Aug. 23 (H. Armistead).

Doves, Cuckoos, Owls. Jan Reese tallied 225 **Rock Doves** at the Chesapeake Bay Bridge on Aug. 26 and a **Mourning Dove** was seen from a fishing boat in Maryland waters 17 miles east of Ocean City on Oct. 11 (Hoffman). High counts of Mourning Doves were 185 at UMCF on Oct. 31 (Atkinson) and 210 at Tilghman Island on Nov. 21 (H. Armistead, Mills). Solo **Black-billed Cuckoos** were noted at the Ocean City airport on Aug. 16 (Hoffman), near Friendship, Anne Arundel County on Sept. 13 (Stasz), at Hughes Hollow on Sept. 18 and near Sandy Hook the same day (Stasz), at Murray Hill and Vollmerhausen Roads, Howard County on Sept. 25 (Solem, Farrell), and at Chesapeake Beach on Sept. 27 (Stasz). Roberta Fletcher found a late **Yellow-billed Cuckoo** at Denton on Oct. 1. Larry Saben rescued a **Barn Owl** from his fireplace in Oakland Mills, Columbia on November 14, but southward wandering **Snowy Owls** continue to find the going tough. A Snowy was seen in Boonsboro on Nov. 11 and presumably the same bird was found dead on Nov. 15 (Miller). Another Snowy was observed at Assateague, Nov. 21-28 (John Morton, Hoffman+). A **Northern Saw-whet Owl** was noted at Assateague on Oct. 31 (O'Brien).

Caprimulgids, Swifts. Bonnie Ott counted 94 **Common Nighthawks** in Ellicott City on Sept. 4, 30 were tallied at Mellwood on Sept. 9 (Stasz), 102 were observed in

Germantown the same day (Warfield), and 2 late birds were seen in DC on Oct. 13 (Dick Homan). A **Chuck-will's-widow** was at Deep Creek Airport on Aug. 21 (Stasz, Boyd), another was at Eastern Neck on Aug. 25 (Grubers), and 1 was at Assateague on Sept. 12 (Hoffman, Czaplak, O'Brien+). The last **Whip-poor-will** banded at Eastern Neck was on Oct. 18. Dave Czaplak counted 179 **Chimney Swifts** in DC on Sept. 20 and Don Simonson reported an exceptionally late swift in Bethesda on Nov. 23.

Hummingbirds, Woodpeckers. The last **Ruby-throated Hummingbird** banded at Eastern Neck was on Oct. 4. A Ruby-throated was found dead in Denton on Oct. 7 (Bob Fletcher), and an immature bird was discovered in Salisbury on Oct. 13 (Brodericks). Mark Hoffman noted **Belted Kingfishers** at 4 different locations at Assateague on Aug. 22. A nice sighting of 3 **Red-headed Woodpeckers** was made at Town Hill on Sept. 18 (Paulus), and 2 were at Bellevue on Sept. 12 (H. Armistead). **Red-bellied Woodpeckers** included single migrants at Assateague on Sept. 20 and Oct. 17, and 3 there on Oct. 18 (Hoffman, O'Brien). Dick Homan noted a **Yellow-bellied Sapsucker** at Monument Knob on Sept. 24, and high counts for the **Northern Flicker** were 50 at Assateague on Sept. 20 (O'Brien), 51 in DC on Sept. 24 (Janni), 57 at Eastern Neck on Sept. 27 (Grubers), 50+ at Point Lookout on Sept. 30 (Reese), and 56 throughout Assateague on Oct. 2 (Hoffman).

Flycatchers. The hard-to-find **Olive-sided Flycatcher** was noted four times with single birds in DC on Aug. 27 and Sept. 4 (Janni), at Assateague the same day (Hoffman), and at High Ridge Park, Laurel on Sept. 5 (Robbins). Hoffman tallied 25 **Eastern Wood-Pewees** throughout Assateague on Aug. 22. The first two **Yellow-bellied Flycatchers** banded at Eastern Neck were on Aug. 5, where the high for the season was 5 banded on Sept. 1; the last Yellow-bellied was banded there on Sept. 20 with a total of 32 for the season. Other Yellow-bellieds included 1 at Hugg-Thomas WMA, Howard County on Sept. 13 (Dave and Maureen Harvey), 1 at King's Creek, Talbot County on Sept. 17 (O'Brien), and 1 at Noland's Ferry on Sept. 18 (Stasz). The last **Acadian Flycatcher** was banded at Irvine on Sept. 21; an Acadian was at Vantage Point, Columbia on Oct. 2 (Chestem). **Willow Flycatchers** were 1 near Chestertown on Aug. 5 (O'Brien), and 1 at North Branch on Sept. 7 (Twigg). The first "**Trall's Flycatcher**" was banded at Eastern Neck on Aug. 2 and the last 2 of the season were banded there on Sept. 24. **Least Flycatchers** included a high of 3 for the season banded at Eastern Neck on Aug. 20, the last Least of the season banded at Irvine on Sept. 22, 1 at Cumberland on Sept. 28 (Twigg), and the last for the season banded at Eastern Neck on Nov. 8. A very late unidentified *Empidonax*, possibly a Least, was seen at Assateague on Nov. 14 (Hoffman, O'Brien). There were 20 **Eastern Phoebe**s throughout Assateague on Oct. 12 (Hoffman). **Great Crested Flycatchers** were 7 at Bellevue on Sept. 12 (H. Armistead, Spitzer) and 2 at Assateague on Sept. 20 (O'Brien). **Eastern Kingbirds** of note were as follows: 150 at Eastern Neck on Aug. 30 (Grubers), 45 in a flock flying at Turkey Point, Cecil County on Sept. 5 (Iliff, Stasz), 1 in Charles County on Sept. 19 (Nistico), 1 at North Branch on Sept. 19 (Stasz, Simons, Paulus+), 2 at West Ocean City on Sept. 25 (Hoffman), 1 at Tilghman Island on Sept. 25, and 1 at Easton on Oct. 1 (Reese).

Larks, Swallows. Fifty **Horned Larks** were at Wye Island on Nov. 7 (Walbeck, Burkhardt). The high for **Purple Martins** was 6000 at the Vienna water tower on Sept. 11-12 (Stasz, Iliff); 35 were at Tanyard on Sept. 24 (Engle). High counts for **Tree Swallows** were 300 at Tilghman Island and 400 at Easton on Sept. 25 (Reese), 300 at Lilypons on Sept. 28 (Wilson), 1000 at Assateague on Oct. 3 (Hoffman), 2000 at Fairlee on Oct. 11 (Grubers), and 200 at Conowingo on Oct. 21 (Blom). Thirty were at Assateague on Nov. 1 (Hoffman), 20 at Tilghman Island the same day (Reese), and 2

were at Rumbly Point (O'Brien) and 45 at Point of Rocks (Czaplak) on Nov. 11. **Northern Rough-winged Swallows** included 500 at Granny Branch Road, Queen Anne's County on Aug. 25 (Grubers), 300 at Lilypons on Sept. 28 (Wilson), and 2 at Bellevue on Oct. 12 (H. Armistead+). Numbers of **Bank Swallows** included 300 at Sudlersville on Aug. 15 (Grubers), and 800 at Hurlock on Aug. 23 and 3 at Bellevue on Sept. 26 (H. Armistead+). Solo **Cliff Swallows** were identified at Hurlock on Aug. 23 (H. Armistead) and at Lilypons on Sept. 28 (Wilson). **Barn Swallows** of interest were 500 at Fairlee on Aug. 17 (Grubers) and a late bird at UMCF seen Oct. 12 (Atkinson).

Corvids, Parids, Nuthatches. Large numbers of **Blue Jays** were tallied this season at Eastern Neck with 8000 on Sept. 24, 10,000 on Sept. 27, 6000 on Sept. 30, 4000 on Oct. 1, and 5000 on Oct. 4 (Grubers). Another location for high counts of Blue Jays was Tilghman Island with 450 on Sept. 25, 500 on Sept. 27, and 800 on Oct. 4 (Reese). Atkinson tallied 120 Blue Jays at UMCF on Oct. 4 and 500 **American Crows** there on Oct. 31. About 600 **Fish Crows** were gathered at the Worcester County landfill on Aug. 15 (Hoffman); 63 congregated at UMCF on Oct. 31 (Atkinson). A **Common Raven** was observed being mobbed by crows at Matapeake on Aug. 6 (Grubers). Five **Tufted Titmice**, possibly migrants, were banded at Eastern Neck, Oct. 17—Nov. 14. Also at Eastern Neck was a **Red-breasted Nuthatch** on Aug. 13 (Grubers); George Jett noted 12 of them at Beauvue on Nov. 8. Harry Armistead checked off 2 **White-breasted Nuthatches** at Blackwater on Aug. 23, and Reese one at Tilghman Island on Sept. 13. The **Brown-headed Nuthatch** Mark Hoffman found at Assateague on Aug. 22 was in a location of the island far outside the established area for this species.

Wrens, Kinglets, Gnatcatchers. Carol Newman discovered a **House Wren** at Wilde Lake on Nov. 10, 3 were at E. A. Vaughn WMA on Nov. 15 (Hoffman, O'Brien), and 1 was in DC until Dec. 8 (Czaplak). A **Winter Wren** was observed by Stasz at Piney Dam on Sept. 20, and Czaplak tallied 4 in DC on Nov. 8. **Sedge Wrens** were 2 near Boxiron on Aug. 12 and Sept. 4 (O'Brien), 1 at UMCF on Oct. 12 (Atkinson) seen through Oct. 16th, 1 near Boxiron on Nov. 4 (O'Brien), 2 at Irish Grove on Nov. 14 (Czaplak, Janni), and 1 at Truitts Landing on Nov. 15 (Hoffman, O'Brien). **Marsh Wrens** included 1-3 birds at two locations in Frederick County, Sept. 15-26 (Miller), 1 at UMCF on Oct. 4 (Atkinson), the only 1 banded for the season at Eastern Neck on Nov. 7, 1 at Easton on Nov. 7 (Reese), 10 at Rumbly Point on Nov. 11 (O'Brien), and 2 at Truitts Landing on Nov. 15 (Hoffman, O'Brien). Stauffer Miller discovered a record early **Golden-crowned Kinglet** southwest of Frederick on Sept. 19, 60 were tallied throughout Assateague on Oct. 2 (Hoffman), and over 1000 were checked off at Eastern Neck on Nov. 1 where 164 were banded the same day, some of the 286 banded there for the season (Grubers). Early **Ruby-crowned Kinglets** were single birds at Schooley Mill on Aug. 29 (Magnusson) and at Triadelphia on Aug. 30 (Chestem); 200 were seen at Eastern Neck on Nov. 1 (Grubers). Harry Armistead and Paul Spitzer added up 8 **Blue-gray Gnatcatchers** at Bellevue on Sept. 12, Reese found 1 at Tilghman Island on Sept. 25, Howard Elitzak noted 1 at Sycamore Landing on Nov. 7, and another was there on Nov. 24 (Bonham).

Thrushes, Mimids. Highs for **Eastern Bluebirds** were 42 migrants at UMCF on Oct. 18 (Atkinson), over 150 at Tilghman Island on Nov. 1 (Reese), and 200 at Eastern Neck on Nov. 7 (Grubers). **Veeries** included at least 80 at two locations: Eastern Neck on Sept. 7 (Grubers), and Tilghman Island on Sept. 20 (Reese, Effinger+). **Gray-cheeked Thrushes** continue to show up in DC with 2 (1 *minimus*) on Sept. 5, 2 *minimus* on Sept. 21 and 1 *minimus* on Sept. 30 (Czaplak); 46 were banded at Adventure for the season with a high of 8 on Sept. 24. The first **Swainson's Thrush** banded at Eastern Neck was on Aug. 21; 75 were counted there on Sept. 12 (Grubers,

Jared Parks), and 30 were noted at Bellevue on Sept. 12 (H. Armistead, Spitzer). A **Hermit Thrush** was banded at Eastern Neck on Oct. 1 and another at Cherry Creek on Oct. 2. Czaplak discovered an even earlier Hermit in DC on Sept. 20, Churchill found 1 at Dan's Rock on Oct. 3, 1 was at Assateague on Oct. 4 (Hoffman), and the first Hermit Thrush banded at Irvine was also on Oct. 4. Cam Lewis noted a **Wood Thrush** at Beaver Creek on Nov. 22. **American Robins** in large numbers were 2000+ at Tilghman Island on Nov. 1 (Reese), 330 flyovers at UMCF on Nov. 7 (Atkinson), and 715 in DC the same day (Czaplak). Two **Gray Catbirds** were at E. A. Vaughn on Nov. 15 (Hoffman, O'Brien), and 2 **Brown Thrashers** were at Tilghman Island on Nov. 22 (Reese).

Pipits, Waxwings, Shrikes, Starlings. An **American Pipit** was at Piney Dam on Sept. 20 (Stasz); other reports were of 1 at Jug Bay, Sept. 24 (Stasz), 2 near Lilypons, Sept. 28 (Wilson), 100 at Ironshire, Nov. 11 (O'Brien), and 85 at UMCF, Nov. 21 (Atkinson). **Cedar Waxwings** included 891 seen in 2 hours at Town Hill on Sept. 1 (Paulus), 400 at Chestertown on Nov. 6 (Grubers), and 105 at Schooley Mill on Nov. 7 (Magnusson). Danny Bystrak reported a **Northern Shrike** at Finzel Swamp on Nov. 27. Mark Hoffman estimated a depressing 3000 **European Starlings** at Assateague on Sept. 25.

Vireos. Jim Stasz found 2 immature **White-eyed Vireos** at Finzel Swamp on Sept. 20, single **Solitary Vireos** were noted at Assateague on Sept. 12 (Hoffman, O'Brien+) and at Salisbury on Nov. 1 (Jenion), and solo **Yellow-throated Vireos** were at Cypress Swamp, Calvert County on Oct. 3 (Walbeck, Burkhardt) and in DC on Oct. 6 (Janni). **Warbling Vireos** were individuals at Assateague on Sept. 12 (Czaplak), along Smoky Road, Calvert County on Sept. 13 (Stasz), at Assateague on Sept. 27 (Hoffman), and at Vantage Point, Howard County on Sept. 29 (Zeichner). It was a good fall for the **Philadelphia Vireo** with very early single bird reports at Chestertown on Sept. 1 and Isle of Wight on Sept. 4 (O'Brien), at Assateague on Sept. 4 (Hoffman), and near Bookers Wharf, Queen Anne's County on Sept. 4 (Stasz). Other **Philadelphias** were 4 at Assateague on Sept. 12 (Janni), 1 at Caney Creek and 1 at Sewell Pond in Calvert County on Sept. 13 (Stasz), 2 along Pindell Road, Anne Arundel County on Sept. 15 (Stasz), 1 at Finzel Swamp Sept. 20 (Stasz), 1 at Schooley Mill on Sept. 26 (Magnusson), 1 in DC on Sept. 30 (Janni), 1 at Assateague on Oct. 2 (Hoffman), 1 banded for the season at Irvine on Oct. 5, and the only one banded for the season at Eastern Neck on Oct. 10. Hoffman identified an early migrant **Red-eyed Vireo** at Assateague on Aug. 22, 20 were totaled at Triadelphia on Sept. 13 (Atkinson), and late individuals were at Loch Raven on Oct. 15 (Wheeler) and at Assateague on Nov. 14 (O'Brien).

Vermivora Warblers, Parula. Hoffman found a female **Lawrence's Warbler** hybrid at Assateague on Aug. 22. Ottavio Janni had a good outing in DC, finding both a Lawrence's hybrid and a **Brewster's Warbler** hybrid on Aug. 29. A late **Blue-winged Warbler** was banded at Eastern Neck on Sept. 20 and one was noted in the Newark area on Sept. 26 (Hoffman, O'Brien). A **Golden-winged Warbler** was near Berlin on Aug. 16 (Hoffman). Others were 1 at Vantage Point, Howard County on Sept. 4 (Zeichner), 1 at Patuxent River Park, Prince George's County on Sept. 5 (Davidson, Wierenga), 1 along Cumberstone Road, Anne Arundel County on Sept. 6 (Stasz), 1 at Wilde Lake on Sept. 9 (Zeichner), the only one for the season banded at Eastern Neck on Sept. 20, and 1 adult male in DC on Oct. 3 (Czaplak, Janni). No high counts for the **Tennessee Warbler** were reported; single birds were at Assateague on Oct. 17 (Hoffman, O'Brien) and at Parsonsburg on Nov. 1 (Pitney). **Orange-crowned Warblers** included individuals at Chesapeake Beach on Sept. 29 (Stasz) and at George Island Landing on Nov. 19 (O'Brien). Czaplak notched a **Nashville Warbler** in DC on Aug. 22 and late Nashvilles were 1 at Assateague on Oct. 18 (Hoffman, O'Brien) and 1 in Rockville on

Nov. 13 (O'Brien). The high for the **Northern Parula** was 18 at Tilghman Island on Sept. 20 (Reese, Effinger+) and late Parulas were 1 at Assateague on Oct. 17 (O'Brien), a juvenile at Mount Rainier on Oct. 27 (Fran Toler), and 1 in DC on Nov. 7 (Janni, Czaplak).

Dendroica Warblers. The high for **Chestnut-sided Warblers** was 10 in DC on Aug. 29 (Czaplak); for **Magnolia Warblers**, 22 at Triadelphia on Sept. 13 (Atkinson). The last Magnolia banded at Eastern Neck was on Oct. 24 and another late bird was at Irish Grove on Nov. 14 (Brodericks). **Black-throated Blue Warblers** included the first banded for the season at Eastern Neck on Aug. 27 and the season high of 22 at Tilghman Island on Sept. 20 (Reese+). A very late Black-throated Blue was banded at Irvine on Nov. 18. **Yellow-rumped Warblers** included 12 at Tilghman Island on Sept. 20 (Reese, Effinger+), 4 at Wilde Lake on Sept. 24 (Zeichner, Chestem), 133 at UMCf on Oct. 12 (Atkinson), 510 throughout Assateague on Oct. 12 (Hoffman), and 800 at Eastern Neck on Nov. 1 (Grubers). The high for **Black-throated Green Warblers** was 14 in DC on Sept. 24 (Janni). Early reports were of 1 at Rock Creek Park on Aug. 29 (Davis), and 1 at Point Lookout the same day (Jett), and a very late Black-throated Green was at Lake Elkhorn on Nov. 11 (Wilkinson). The first **Blackburnian Warbler** banded at Eastern Neck was on Aug. 13, and 8 were in DC on Sept. 1 (Janni). **Yellow-throated Warblers** included 2 at Truitts Landing on Sept. 5 (Hoffman), 1 banded at Adventure on Sept. 9, 1 at Wilde Lake on Sept. 9 (Zeichner, Chestem), 1 white-lored at Blackwalnut Point, Talbot County on Sept. 11 and 1 yellow-lored near Eldorado on Sept. 11 (Stasz), 1 at Pennyfield on Sept. 13 (Julie Kelly), a white-lored at Smoky Road, Calvert County the same day (Stasz), 4 at Tilghman Island on Sept. 20 (Reese, Effinger+), 1 last seen by Bonham in Montgomery County on Sept. 21, and 1 near Thurmont, very late, on Oct. 3 (Miller). Hoffman found 6 very late **Pine Warblers** at Assateague on Nov. 27 and an equally late **Prairie Warbler** there on Oct. 30. Czaplak tallied 10 Prairies at Assateague on Sept. 13. **Palm Warblers** were 1 western banded at Cherry Creek on Sept. 11, two groups of 40 spotted at Assateague on Oct. 4 (Hoffman), and 25, including 10 yellow, tallied there on Oct. 18 (O'Brien). Others included 6 at Rockburn Branch Park on Oct. 24 (Ott), a solo bird at Lake Artemisia, Prince George's County on Oct. 25 (Bill Harvey, Luther Goldman), 4 at Neavitt on Oct. 25 (Reese), 2 in Dorchester County on Oct. 27 (Wilson), 7 checked off at UMCf on Oct. 31 (Atkinson), the only western of the season banded at Eastern Neck on Nov. 1, 1 at UMCf on Nov. 1 (Magnusson, Farrell, Solem. Ott), the only yellow banded at Eastern Neck on Nov. 7, a yellow in Rockville on Nov. 3 (O'Brien), 15 at Assateague on Nov. 6 (1 western, 7 yellow, 7 unknown) and 10 there on Nov. 14 (O'Brien), and 1 at Lilypons on Nov. 22 (Mackiernan). The last **Bay-breasted Warbler** banded at Eastern Neck was on Oct. 17. **Blackpoll Warblers** included 1 in DC on Sept. 5 (Czaplak), 8 there on Sept. 24 (Janni), and a late bird at Assateague on Nov. 1 (Hoffman, O'Brien). Single **Cerulean Warblers** were noted at Pocomoke State Forest on Aug. 12 (O'Brien), at Vantage Point, Howard County on Sept. 4 (Zeichner, Chestem), still at Triadelphia on Sept. 13 (Atkinson), at Dan's Rock on Sept. 13 (Churchill), and a late bird southwest of Frederick on Sept. 27 (Miller).

Black-and-white Warblers through Waterthrushes. **Black-and-white Warblers** were 1 banded at Eastern Neck on Aug. 5, 1 at Mt. Vernon, Somerset County on Aug. 8 (Reese), 11 banded at Eastern Neck on Aug. 13, and the high of 14 banded at Eastern Neck on Sept. 20. **American Redstarts** appeared early with 1 at Tilghman Island on Aug. 1 (Reese), 2 at Wilde Lake on Aug. 2 (Zeichner), 1 at Mt. Vernon, Somerset County on Aug. 8 (Reese), and 30 at Eastern Neck on Aug. 13 (Grubers); Czaplak counted 21 redstarts at Assateague on Sept. 12. Hoffman noted several groups totaling 36 at Assateague on Aug. 22, over 65 were counted at Tilghman Island on Sept. 20 (Reese,

Effinger+), and the last bird noted at Assateague was on Oct. 17 (Hoffman, O'Brien). The only August **Prothonotary Warbler** was 1 at Assateague on the 27th noted by Hoffman who also found 2 in the South Point area on Sept. 3; 1 was banded at Adventure on Sept. 7. A **Worm-eating Warbler** was spotted at Assateague on Aug. 23 (Hoffman), 2 were banded at Eastern Neck on Sept. 1, and another was at E. A. Vaughn on Oct. 3 (Hoffman). Hoffman reported 10 **Northern Waterthrushes** scattered throughout Assateague on Aug. 22. The last **Louisiana Waterthrush** banded at Adventure was on Aug. 21, the last banded at Eastern Neck was on Sept. 2, and 1 bird was at Lake Kittamaquundi on Sept. 19 (Chestem).

Oporornis Warblers through Chat. The last **Kentucky Warbler** banded at Irvine was on Sept. 21, and Roberta Fletcher noted 1 Kentucky at Denton on Sept. 22. It was a fair season for **Connecticut Warblers** with 12 banded for the season at Irvine during Sept 8—Oct. 11, 2 in DC on Sept. 2 (Janni), an immature in DC on Sept. 14 (Czaplak), a first-year bird near Noland's Ferry on Sept. 16 (Krueger), 1 at McKeldin on Sept. 18 (Southworths), 2 near Thurmont on Sept. 20 and Oct. 3 (Miller), 1 in Annapolis on Sept. 22 (Mumford), 1 near Newark on Sept. 24 (Hoffman), and 1 adult female in DC on Oct. 4 (Czaplak). The last Connecticut banded for the season at Eastern Neck was on Oct. 10 and the first **Mourning Warbler** banded there was on Aug. 12. Other Mourning Warblers were 1 in DC on Sept. 1 and Sept. 5 (Janni, Czaplak), the high of 5 banded at Eastern Neck on Sept. 2, 1 at Upper Marlboro on Sept. 16 (Stasz), and 1 near Noland's Ferry on Sept. 20 (Krueger). The last two **Common Yellowthroats** banded at Eastern Neck were on Oct. 24. Others included 1 at E. A. Vaughn on Nov. 15 (Hoffman, O'Brien) and a young male at Parsonsburg on Nov. 21 (Pitney). A late **Hooded Warbler** was at Pennyfield on Oct. 11 (Howard Fellows, Tony Kamerda). The first **Wilson's Warbler** was banded at Eastern Neck on Aug. 13, 2 birds were at Bellevue on Sept. 12 (H. Armistead, Spitzer), the last Wilson's was banded at Eastern Neck on Oct. 18, a Wilson's was at Violettes Lock on Oct. 27 (Linda Friedland), and another, a late male, was there on Nov. 11 (Mike Gremillion). A **Canada Warbler** was near Chestertown on Aug. 5 (O'Brien). Irvine's last banded **Yellow-breasted Chat** was on Oct. 5, the last of the season banded at Eastern Neck was on Oct. 10, and the last bird banded at Adventure was on Oct. 27.

Tanagers, Cardinaline Finches. Larry Bonham noted a short window for **Summer Tanagers** in Montgomery County with a Sept. 5 arrival and a Sept. 9 departure. Others were 1 in DC on Sept. 5 (Czaplak), 1 in Bellevue on Sept. 12 (H. Armistead, Spitzer), the last Summer Tanager reported in Charles County on Sept. 17 (Nistico), and a single bird at E. A. Vaughn on Sept. 21 (Hoffman). **Rose-breasted Grosbeaks** included a female at Hugg-Thomas WMA on Aug. 22 (Dave & Maureen Harvey), 25 birds at Tilghman Island on Sept. 13 (Reese), and 1 still at Denton Oct. 15 (Nuttle). Harry Armistead found a **Blue Grosbeak** at Bellevue on Oct. 12 (H. Armistead+). Marianna Nuttle observed an **Indigo Bunting** carrying food at Tuckahoe on Aug. 23, 60+ were at Indian Creek WMA, Charles County on Oct. 4 (Stasz), the last Indigo banded at Irvine was on Oct. 13, and a single late bird was at Assateague on Nov. 14 (Hoffman, O'Brien). Davidson and Wierenga notched a **Dickcissel** at Sandy Point SP on Sept. 7, 2 were found on Sept. 18 at DC (Czaplak), and another was at Assateague on Oct. 16 (Hoffman).

Sparrows. Dave Czaplak found 4 **American Tree Sparrows** at Lilypons on November 11th. Engle observed a **Chipping Sparrow** building a nest at Tanyard on Aug. 3; 40 Chippers were at Assateague on Oct. 17 and 8 in Rockville on Nov. 3 (O'Brien). Several **Clay-colored Sparrows** made an appearance this fall with one at Assateague on Sept. 11 (Hoffman), an adult found by Harry Kreuger near Noland's

Ferry, Sept. 16-27, 1 seen at Assateague on Sept. 19 (O'Brien, Hoffman), 3 at Assateague on Oct. 4 (Hoffman), an immature in Rockville on Oct. 11 (Jett, Paul O'Brien), and 1 at Assateague on Oct. 17 (Hoffman, O'Brien). The Grubers counted 60 **Field Sparrows** at Remington Farms on Oct. 8, and **Vesper Sparrows** included: 1 at Cumberland on Sept. 25 (Twigg), a migrant first seen at UMCF on Oct. 4 (Atkinson) and then sporadically by other observers until Nov. 8, 2 at Assateague on Oct. 17 (O'Brien, Hoffman), 1 near Pocomoke City on Oct. 20 (O'Brien), and a late bird north of Frederick on Nov. 9 (Miller). Bob Ringler and Jim Stasz found an immature **Lark Sparrow** at Hurlock on Aug. 16; Hoffman noted a juvenile at Assateague on Aug. 28 and Sept. 10-12. Early **Savannah Sparrows** were 2 at Chesapeake Beach on Aug. 31 and 1 at Hart-Miller on Sept. 3 (Stasz), another at Assateague on Sept. 11 (Hoffman), and 2 at Blackwater on Sept. 20 (H. Armistead+). Higher counts were 45+ at Chesapeake Beach on Oct. 5 (Stasz) and 116 at UMCF on Oct. 10 (Atkinson). Hoffman found 6 at Assateague on Nov. 8 including 3 **Ipswich Sparrows** and Czaplak noted 5 of the Ipswich race there on Nov. 29. Only 1 **Grasshopper Sparrow** was banded for the season at Irvine on Oct. 1; others were 1 at Assateague on Oct. 2 (Hoffman) and 1 migrant at UMCF from Oct. 4 (Atkinson) to Oct. 17 (Ott). Mike O'Brien notched a **LeConte's Sparrow** at Rumbly Point on Nov. 11 and **Sharp-tailed Sparrow** reports included 1 at Chesapeake Beach on Sept. 21-22 and 2 there on Oct. 11 with 1 still remaining Oct. 16 (Stasz), and 7 at Rumbly Point on Nov. 11 (O'Brien). A **Fox Sparrow** was noted southwest of Frederick on Oct. 17 (Miller), the first one of the season banded at Eastern Neck was on Oct. 18, and the last Fox Sparrows banded at Eastern Neck were also the high for the season, 5 on Nov. 15. Scott Atkinson tallied the seasonal high of 120 **Song Sparrows** at UMCF on Oct. 31. **Lincoln's Sparrows** included 1 banded at Laurel on Sept. 12, 3 banded at Eastern Neck on Oct. 1, 6 in DC, Sept. 24—Nov. 21 (Janni), 3 at UMCF, Oct. 3 (Atkinson), 1 at Lloyd Bowen Road, Calvert County, Oct. 18 (Stasz), and 1 in DC on Nov. 21 (Czaplak). Nancy Magnusson and Jane Farrell discovered a **Swamp Sparrow** at Triadelphia on Sept. 20, the first birds banded at Eastern Neck were the season high of 3 on Sept. 24, 60 were near Girdletree on Oct. 9 (Hoffman), and 76 were at Lilypons on Nov. 11 (Czaplak). The first **White-throated Sparrow** banded at Adventure was on Sept. 16. **White-crowned Sparrows** were an immature at Jug Bay on Oct. 1 (Stasz), one banded at Cherry Creek on Oct. 5, one at Cumberland on Oct. 6 (Twigg), an adult at Churchville on Oct. 6 (Walbeck), and 17 at Finzel Swamp on Oct. 18 (Churchill).

Juncos, Longspurs, Snow Buntings. Joy Wheeler noted a **Dark-eyed Junco** at Loch Raven on Aug. 23 and 400 were tallied at Eastern Neck on Nov. 1 (Grubers). J. Henry reported an **Oregon Junco** at Denton on Nov. 4. Scott Atkinson discovered 3 **Lapland Longspurs**, for the first Howard County record, at UMCF on Nov. 7. One still remained there on Nov. 8. Others were 3 near Lilypons on Nov. 22 (Mackiernan). **Snow Buntings** began with an adult female at Hooper Island on Oct. 27 (Wilson), 2 at Triadelphia on Oct. 27 (Jane Riggs), and 3 at Sandy Point SP on Oct. 30 (Mary Gustafson, Bruce Peterjohn). Others included 14 at Deal Island WMA on Nov. 7 (Charles Vaughn), 4 at Rocky Gap the same day (Jett), 55 at Assateague on Nov. 8 (Hoffman), 35 at PRNAS on Nov. 25 (Lister), and 1 near Lilypons on Nov. 29 (Mackiernan).

Icterines. Three early **Bobolinks** were discovered at Ferry Point, Wicomico County on Aug. 8 (Reese, Effinger) and higher counts included: 400 near Girdletree on Aug. 29 (Hoffman), and over 300 at Tilghman Island on Sept. 20 (Reese, Effinger+). Later Bobolinks were 3 at UMCF on Oct. 17 (Ott), 2 very late birds there on Nov. 1 (Atkinson), and 1 in Rockville on Nov. 3 (O'Brien). The Grubers found a migrant **Eastern Meadowlark** at Eastern Neck on Oct. 4, 1 was at Tilghman Island on Oct. 11 (Reese), 30 at Assateague on Oct. 17 (O'Brien), and 23 at UMCF on Oct. 25 (Atkinson).

Hal Wierenga noted an adult male **Yellow-headed Blackbird** at Sandy Point SP on Nov. 21, 15 **Rusty Blackbirds** were banded at Cherry Creek on Oct. 10, 20 were counted at Piney Dam on Oct. 16 (Churchill), and 100 were at Eastern Neck on Nov. 1 (Grubers). Hoffman and O'Brien checked off 5 **Brewer's Blackbirds** at George Island Landing on Nov. 22. **Boat-tailed Grackles** of note were 4 at Tilghman Island on Aug. 1 (Reese), 1 at Hooper Island on Aug. 23 (H. Armistead), and 80 at Assateague on Oct. 12 (Hoffman). Jan Reese noted a **Common Grackle** with an all white tail among the 1500 at Broomes Island on Nov. 4 and estimated over 10,000 at Chesapeake City on Oct. 13. Other high counts were 3850 at Blackwater on Aug. 23 (H. Armistead) and 2500 at UMCf on Nov. 29 (Atkinson). Unfortunately, Ethel Engle found over 2800 **Brown-headed Cowbirds** at Preston on Aug. 20 and Jo Solem and Nancy Magnusson observed a pair of **Scarlet Tanagers** feeding a fledgling cowbird on Aug. 30 at Triadelphia. Harry Armistead reported 1500 cowbirds throughout Dorchester County on Oct. 11. The only **Orchard Orioles** banded at Eastern Neck were 4 on the late date of Aug. 5. Others of note were 1 at Denton on Sept. 9 (M. Miller), 1 at Bayard on Sept. 10 (Walbeck), and 2 at Tilghman Island on Sept. 20 (Reese, Effinger+). **Northern Oriole** reports were of 18 at Ocean City on Aug. 21 and a group of 30 at Assateague on Aug. 30 (Hoffman), 23 at Tilghman Island on Aug. 30 (Reese), 1 at Assateague on Nov. 6 (O'Brien), a female at a feeder in Concord on Nov. 8 (Scudder), and 1 at Allens Fresh on Nov. 15 (Jett).

Cardueline Finches. Dave Czaplak totaled 16 **Purple Finches** on Nov. 8 in DC and Harry Armistead and Carolyn Mills tallied 315 **House Finches** in one flock at Royal Oak on Nov. 21. Stauffer Miller received a report of a **Red Crossbill** in Knoxville on Oct. 30 and Joy Wheeler discovered a **Common Redpoll** at Loch Raven on Nov. 1. Mary Gustafson checked off a **Pine Siskin** near Laurel on Sept. 29 and 12 were at Connie Skipper's feeder in Oakland on Nov. 28. A female **American Goldfinch** was discovered on a nest with 2 eggs at Font Hill Manor, Howard County on Aug. 20 (Walbeck, Kevin Smith). **Evening Grosbeaks** included 12 at Town Hill on Nov. 7 (Paulus, Stasz) and a flock of about 10 there on Nov. 11 (Stasz).

Escapes. Paul Denit reported a **Budgerigar** in District Heights on Sept. 12 and Scott Schweik discovered a **Monk Parakeet** at Oxon Hill Farm on Nov. 6.

Corrigendum. The following corrections apply to the 1991 Fall Migration report in Volume 48, Number 1: the Black Scoter discovered at Wilde Lake on Oct. 29 by Helen Zeichner was the first record inland for Howard County, not the first Howard County record. There is a previous Black Scoter record at Triadelphia on precisely the same date in 1966.

The Black-necked Stilt found by Paul Newman at Wilde Lake, was seen on Sept. 3, not the 18th.

The Chukar reported in Volume 47, Number 2 (Winter 1990-91), was actually a Gray Partridge. The Common Loon at Rumbley on Jan. 27 and the Great Egret at Fairmount WMA the same day should be attributed to Dave Weesner.

9763 Early Spring Way, Columbia, Maryland 21046

THE SEASON



WINTER, December 1, 1992 - February 28, 1993

DANIEL R. SOUTHWORTH AND LINDA SOUTHWORTH

It was another fairly mild winter, with only a few, short cold spells. The one nor'easter storm in December dumped some snow, but mostly farther north. January in particular had above normal temperatures, and many species took advantage of the favorable weather to linger in Maryland.

Observers: Henry Armistead, Scott Atkinson, John Bjerke, Larry Bonham, Carol & Don Broderick, Gwen Burkhardt, Martha Chestem, David Czaplak, Lynn Davidson, Phil & Barbara Davis, Howard Elitzak, Ethel Engle, Jane Farrell, Roberta Fletcher (reporting for Caroline County), Inez Glime, Jim & Patricia Gruber, Mary Gustafson, Dave & Maureen Harvey, Marvin Hewitt, Robert Hilton, Mark Hoffman, Ottavio Janni, George Jett, Ellen Lawler, Doug Lister, Gail Mackiernan, Nancy Magnusson, Mike & Grazina McClure, Pat Melville, Stauffer Miller, Carolyn Mills, Mariana Nuttle, Mike O'Brien, Peter Osenton, Bonnie Ott, Jim Paulus, Elizabeth Pitney (reporting for the Wicomico Bird Club), Kyle Rambo, Jan Reese, Sue Ricciardi, Robert Ringler, Norm & Fran Saunders, Gene Scarpulla, Bill Scudder, L.T. Short, Stephen Simon, Teresa Simons, Connie Skipper, Jo Solem (reporting for Howard County), Dan & Linda Southworth, Paul Spitzer, Mary Twigg, Dave Walbeck, Mark Wallace, Robert Warfield, Dave Webb, David Weesner, Jim Wilkinson, Erika Wilson, Helen Zeichner.

Abbreviations: CBC—Christmas Bird Count, DC—District of Columbia, NWR—National Wildlife Refuge, PRNAS—Patuxent River Naval Air Station (St. Mary's County), SP—State Park, UMCF—University of Maryland Central Farm (Howard County), WMA—Wildlife Management Area.

Locations: Place names (with counties in parentheses) not in the index of the State highway map: Assateague Island (Worcester County), Black Hill Park (Montgomery), Blackwater NWR (Dorchester), Eastern Neck NWR (Kent), Greenbrier SP (Washington), Hains Point (DC), Hooper Island (Dorchester), Hughes Hollow (Montgomery), Little Seneca Lake (Montgomery), Loch Raven (Baltimore), Monument Knob (Washington), Pennyfield (Montgomery), Piney Run Park (Carroll), Remington Farms WMA (Kent), Rocky Gap SP (Allegany), Town Hill (Allegany), Tuckahoe SP (Caroline unless noted otherwise), Violettes Lock (Montgomery).

Loons, Grebes. **Red-throated Loons** away from the coast were single birds at PRNAS on Dec. 9 and Feb. 17 (Lister), at Little Seneca Lake on Jan. 2 (Gary Nelson, Donna Kuroda), and at Rocky Gap SP on Jan. 9 (Twigg). Large coastal flocks were 200 at Assateague on Dec. 4 (Hoffman, O'Brien), and 150 flying past Ocean City in an hour on Dec. 6 (O'Brien). A leucistic Red-throated was at Assateague on Jan. 23 (O'Brien),

and 25 **Common Loons** were in the Ocean City area the same day (Hoffman, O'Brien). Common Loons farther inland included 3 at Bellevue on Jan. 23 (Armistead+), 3 at Loch Raven the same day (Walbeck+), and 3 near Tolchester on Feb. 6 (Grubers). The high for **Pied-billed Grebes** was 50 at Loch Raven on Feb. 28 (Simon). Two **Pied-billeds** were in the Potomac River close to Williamsport on Jan. 28 (Weesner), and Steve Simon noted 4 **Horned Grebes** at Loch Raven on Jan. 27. The **Red-necked Grebe** was not to be left out with 1 at Ocean City on Jan. 3 (Reese).

Gannets, Cormorants. Coastal highs for **Northern Gannets** were 400 at Assateague on Dec. 4 (Hoffman, O'Brien), and several hundred passing Ocean City in an hour on Dec. 6 (O'Brien). Five gannets were at PRNAS on Jan. 9 (Rambo, Lister), 1 was at Point Lookout on Jan. 10 (John Williamson), 2 were near Claiborne on Jan. 17 (Davidson), 1 was off Flag Ponds and 2 off Cove Point in Calvert County on Jan. 17 (Ringler), 10 were near Honga on Feb. 5 (Sam Droege), and 1 was spotted near Solomon's Island on Feb. 8 (Rambo). **Great Cormorants** noted in the Ocean City area included 2 immatures on Dec. 6 (Hoffman, O'Brien), and 3 birds from Dec. 19 (Hoffman) through Feb. 20 (Weesner). Lingered **Double-crested Cormorants** included 10 at Ocean City on Dec. 6 (Hoffman, O'Brien), 1 at Denton on Dec. 12 (Hewitt), 2 first-year birds at Back River, Baltimore County on Jan. 16 and Jan. 23 (Scarpulla), 2 at Ocean City on Jan. 29 (O'Brien), and 2 off Middle Branch Park, Baltimore City on Jan. 30 (Walbeck, Burkhardt).

Hérons, Ibis. Reliable Deal Island WMA yielded 4 **American Bitterns** on Jan. 24 along with 3 **Great Egrets**, 9 **Snowy Egrets**, 112 **Tricolored Herons**, and 39 **Black-crowned Night-Herons** (Hoffman, O'Brien). Charles Swift discovered 3 **American Bitterns** there on Feb. 6 and Ellen Lawler reported 25 **Tricoloreds** there on Feb. 20. **Glossy Ibis** were also present at Deal Island WMA with 3 noted on Dec. 19 (Jett), and 2 on Jan. 24 (O'Brien) and Feb. 7 (Ringler+).

Swans, Geese. Among the exotic waterfowl seen this winter was a **Black Swan** reported at Hooper Island on Feb. 23 (Vincent & Beverly Oslo). Large flocks of **Tundra Swans** were 800 near Chestertown on Feb. 13 (Grubers), and 240 at Tydings Island, Harford County on Feb. 26 (Webb). A **Mute Swan** was at Piney Run from Dec. 6 through the end of the period (Harveys, Ringler+), 1 was at Little Seneca Lake on Dec. 14 (Bonham), and another was discovered at Thoms Cove on Jan. 2 (Walbeck, Burkhardt). **Greater White-fronted Geese** were noted this winter with 1, along with a **Barnacle Goose**, north of Chestertown on Dec. 14 (Hoffman), and an adult near Centreville on Dec. 15 (O'Brien). The Grubers found a **Greater White-fronted** mated with a **Canada Goose** and their family of hybrids at Great Oaks Marina, Kent County on Feb. 6. Large flocks of **Snow Geese** included 3500 at Galena on Dec. 11 (Reese), 6000+ at Hurlock on Dec. 27 (Reese), 2000 (including at least 5 **Blues**) at Susquehanna Flats, Harford County on Jan. 7 (Webb), 25,000 at Ruthsburg on Jan. 19 (Grubers), 15,000 at Kennedyville on Feb. 13 (Floyd Parks, J. Gruber), and 10,000 at Worton on Feb. 20 (Floyd Parks, J. Gruber). Greg Gough reported a **Ross' Goose** near Berlin during a winter count on Feb. 9 and Mark Hoffman tallied 200 **Brant** at Ocean City on Jan. 23. Small race **Canada Geese** were noted again with single birds near Centreville on Dec. 15 (O'Brien), at Remington Farms on Feb. 6 (Grubers), at Damsite on Feb. 19 (Dolly & Sam McSorley, Grubers), and at Wye Island on Feb. 27 (O'Brien).

Puddle Ducks. Exotic ducks this season were a drake **Mandarin Duck** at Oldtown on Dec. 19 (Paulus, Simons), and a drake **Falcated Teal** at Piney Run, Dec. 19—Jan. 31 (Ringler+). Mild weather contributed to several **Wood Duck** sightings; 6 late fall migrants were seen flying over the ocean at Assateague on Dec. 4 (Hoffman,

O'Brien). The drake Wood Duck at Beaver Creek, Washington County on Dec. 26 and 4 ducks at Westminster on Jan. 16 (Ringler), a drake and a hen at Churchville on Jan. 23 (Webb), and a male at Little Seneca Lake on Feb. 7 (Michelle Cornwall) were probably wintering, whereas 1 at Point of Rocks on Feb. 19 (Warfield), 5 at Denton on Feb. 20 (L.T. Short), and 20 at Hughes Hollow on Feb. 22 (Bonham) were probably early spring migrants. Dave Weesner found 3 **Green-winged Teals** at Beaver Creek, Washington County on Jan. 20, and Simon discovered 4 at Loch Raven on Feb. 27, where he also tallied 140 **American Black Ducks** and 380 **Mallards** earlier on Feb. 20. Inland **Northern Pintails** included 5 at Rocky Gap SP on Jan. 4 (Paulus), 5 on a pond near Frederick on Jan. 7 (Miller), and 11 near Lilypons on Feb. 28 (O'Brien). Higher counts were 60 at Blackwater NWR on Jan. 24 (Armistead, Mills), and 700 at Deal Island WMA on Feb. 20 (Lawler). Lingered **Blue-winged Teals** included a female at Plum Tree Path, Howard County on Dec. 7 (Solem, Ott) that was seen again by several birders through Feb. 6. Other Blue-wingeds included 35 notched at Deal Island WMA on Jan. 24 (Hoffman, O'Brien), and a drake there on Feb. 7 (Charles Swift, Ringler+). **Northern Shovelers** included 40 at Blackwater on Jan. 24 (Armistead, Mills), and 100 at Remington Farms on Feb. 28 (Grubers). Steve Simon found 38 **Gadwalls** at Loch Raven on Jan. 16 and 280 **American Wigeons** there on Jan. 23, and Ringler counted 32 **Gadwalls** at Piney Run on Dec. 19. Over 1000 **American Wigeons** were totaled at Deal Island WMA on Jan. 24 (O'Brien), where **Eurasian Wigeons** were sorted out with 1 on Dec. 3 (Bill & Eleanor Standaert), 2 on Dec. 4 (Janni), and 1 on Feb. 15 (Bonham).

Aythya Ducks. A nice total of 5175 **Canvasbacks** were in the Baltimore area on Jan. 16 (Winter Count), and about 200 were seen on the Choptank in Caroline County on Jan. 14, where a **Redhead** was seen earlier on Jan. 5 (D. Ford); 16 **Redheads** were noted at Loch Raven on Jan. 25 (Simon). High counts for **Ring-necked Ducks** were 1050 at Little Seneca Lake on Jan. 4 (Czaplak), 125 at Piney Run on Jan. 15 (Ringler), 912 in the Baltimore area on Jan. 16 (Winter Count), 505 at Loch Raven on Jan. 22 (Simon), and 30 at Denton on Jan. 25 (Hewitt). Tom Reese reported 3 inland **Greater Scaup** at Little Seneca Lake on Feb. 6, and Mike O'Brien estimated over 1000 **Lesser Scaup** at Wye Island on Feb. 10.

Eiders, Oldsquaws, Harlequin Ducks, Scoters. A first-year male **Common Eider** was spotted at Ocean City on Dec. 28 (Hoffman, O'Brien), and a flock of 6 (3 females and 3 immature males) was seen there from Jan. 16 (Steve Cordle, Osenton+) through Feb. 21 (Richard Wilt, Paul DuMont). **King Eiders** were also present this winter with 2 first-year males at Ocean City on Dec. 28 (Hoffman, O'Brien), and a female there on Jan. 2 (Gustafson), Jan. 3 (Reese), and Feb. 21 (Richard Wilt). Also observed at Ocean City was a drake **Harlequin Duck** first reported on Dec. 9 (Bonham), and seen by several birders throughout the winter; it was still present on Feb. 20 (Weesner). Another drake was seen at Swan Creek, Harford County, Jan. 21-28 (Webb). Jim Paulus and Teresa Simons discovered 2 inland **Oldsquaws** at Rocky Gap SP on Jan. 7 and higher counts included 4000 at Bellevue on Jan. 23 (Armistead, Spitzer), about 600 at Cobb Island, Charles County on Feb. 6 (Jett), and 1280 at PRNAS on Feb. 10 (Lister). Hoffman and O'Brien checked off 50 **Black Scoters** and 50 **White-winged Scoters** at Assateague on Dec. 4. **Surf Scoters** were 1 at Greenbrier Lake on Dec. 5 (Weesner), 30 at Ocean City on Dec. 12 (Hoffman, O'Brien), and a female near Knoxville on Feb. 21, for the first Frederick County record (Miller).

Goldeneyes, Buffleheads, Mergansers, Ruddy Ducks. The highs for **Common Goldeneye** were 600 at Bellevue on Jan. 23 (Armistead, Spitzer), and 516 at PRNAS on Jan. 28 (Lister). Stauffer Miller noted from 10 to 40 inland on the Potomac near Knoxville from Jan. 30 through February. On Jan. 23, 2000 **Buffleheads** were at

Bellevue (Armistead, Spitzer), and 2 males and 1 female were inland at Greenbelt on Dec. 29 (Southworths). There were 111 **Hooded Mergansers** in Carroll County on Jan. 23 (Winter Count), and 40 at Deal Island WMA on Jan. 24 (Hoffman, O'Brien). Simon found 64 Hoodeds at Loch Raven on Feb. 10. **Common Mergansers** were found in large numbers with 4500 at Conowingo Dam on Dec. 27 (Scarpulla+), and 244 at Triadelphia Reservoir, Howard County on Feb. 6 (Magnusson). Common Mergansers were also present at Loch Raven with 25 on Feb. 8 (Simon), and 33 were noted at Damsite on Feb. 19 (Dolly & Sam McSorley). An excellent tally of 10,170 **Ruddy Ducks** was made in the Baltimore area on Jan. 16 (Winter Count).

Diurnal Raptors. Interesting sightings of **Black Vultures** were 1 at Rocky Gap SP on Dec. 19 and Dec. 22 (Simons, Paulus), and 5 at Town Hill on Feb. 9 (Paulus). Rocky Gap also hosted **Turkey Vultures** with 2 on Dec. 27 (Twigg); 2 spring migrants were at Town Hill on Feb. 9 (Paulus). Testament to the mild conditions was the record 722 Turkey Vultures tallied during the Triadelphia Reservoir CBC on Dec. 26 (N. & S. Saunders+). An early **Osprey** was noted at Salisbury on Feb. 27 (Brodericks), and a nice count of 51 **Bald Eagles** was made at Blackwater on Jan. 24 (Armistead, Mills). On Feb. 4, Miller discovered 7 **Northern Harriers** at dusk at Old Mill Road, Frederick County. Martha Chestem reported a **Northern Goshawk** at UMCf on Dec. 4. Jan Reese observed a pair of **Red-tailed Hawks** building a nest at Royal Oak, Talbot County on Feb. 5, and Jim Paulus reported 3 migrant Red-tails at Town Hill on Feb. 9. Inland **Rough-legged Hawks** were 1 near Damascus on Dec. 13 (Greg Miller), an immature at Seneca on Dec. 20 (Justin Golden), 1 at Rocky Gap SP on Jan. 4 (Twigg), and a light phase at Martin Mountain on Jan. 5 (Paulus). Two more Rough-leggeds were observed at the east end of the Chesapeake Bay Bridge on Jan. 18 (Richard Wilt), another was at Kent Narrows on Jan. 19 (O'Brien), and a light-phase flew over Swan Creek, Harford County on Jan. 24 (Webb). As usual, **Golden Eagles** were observed, with an immature at Blackwater on Dec. 31 (Matthew O'Donnell), 2 immatures flying together at Green Ridge on Jan. 30 (Paulus, Simons), an adult at Urieville, Kent County on Feb. 12 (Grubers), an immature at Town Hill on Feb. 18 (Paulus), and another at Deal Island WMA on Feb. 28 (Donald Sweitz). David Spector reported a **Merlin** in DC on Dec. 19, 1 was spotted near Clarksville on Dec. 26 (Atkinson), 1 was observed again in DC on Jan. 10 (Paul DuMont), 1 was noted at Chestertown on Jan. 24 (Floyd Parks), and a female was seen at Myrtle Grove WMA on Feb. 14 (Frank Witebsky). Once again, **Peregrine Falcons** were sighted in DC with 2 on Dec. 7 (Kevin Garden). Robert Hilton noted a Peregrine in Bethesda on Feb. 17.

Gallinaceous Birds, Rails, Coots. Eight **Wild Turkeys** were discovered in the trees at Tuckahoe SP on Dec. 4 (B. Schmidt), 2 were noted along the Patapsco River between Woodstock and Marriottsville on Feb. 6 (Carol & Dan Haft, Art Rogers), and 6 were in Greensboro on Feb. 26 (H. Richard). Jan Reese checked off a **Virginia Rail** at Vienna on Feb. 3, and 7 were present in the Baltimore area on Jan. 16 (Winter Count). Kyle Rambo and Doug Lister found a **Sora** at PRNAS on Jan. 8. An immature **Common Moorhen** was at Ocean Pines from Dec. 5 (Hoffman, O'Brien) through Feb. 7 (Ringler+). There were 802 **American Coots** in the Baltimore area on Jan. 16 (Ringler+), and coots peaked at 600 at Loch Raven on Feb. 13 and 27 (Simon).

Shorebirds. Hoffman counted 110 **Black-bellied Plovers** at Ocean City on Jan. 23, and Erika Wilson tallied 180 **Killdeer** at Stockton on Dec. 5. There were 25 **American Oystercatchers** at Ocean City on Jan. 23 (Hoffman), and 30 to 40 were there on Feb. 6-7 (Bjerke, Mark Garland). **Greater Yellowlegs** taking advantage of the mild winter conditions included 24 at Assateague on Dec. 4 (Hoffman, O'Brien), 2 at Southwest Area Park, Baltimore City on Jan. 2 (Walbeck+), 4 at Blackwater on Jan. 23

(Fritz Davis), 4 at Deal Island WMA on Jan. 24 (Hoffman, O'Brien), 5 there on Feb. 7 (Ringler+), and 1 in eastern Baltimore City on Jan. 24 (David Spector). **Lesser Yellowlegs** included 6 at Assateague on Dec. 4 (Hoffman, O'Brien), 1 at Tanyard on Jan. 4 (Engle), and 2 at Deal Island WMA on Feb. 7 (Ringler). Mark Hoffman found 2 **Red Knots** at Ocean City on Jan. 23, and Gene Scarpulla identified 8 **Western Sandpipers** at Back River, Baltimore County on Jan. 2. **Late Least Sandpipers** were 25 at Assateague on Dec. 4 and 5 at Bayside Road, Worcester County on Dec. 12 (Hoffman, O'Brien), and 1 at Newport Bay, Worcester County on Dec. 13 (O'Brien). Bob Hahn reported 18 **Dunlins** at Hooper Island on Dec. 1, and Mark Hoffman tallied 400 at Ocean City on Jan. 23. Wintering **Common Snipe** were 1 at North Branch on Jan. 30-31 (Simons, Twigg), 2 near Hagerstown on Feb. 5 (Ringler), 3 at UMCf on Feb. 6 (McClures), 1 at Lilypons on Feb. 22 (Bruce Hill), and 1 at Ridgely on Feb. 26 (Scudder). Mike O'Brien found an **American Woodcock** near Catoctin Furnace, Frederick County on Jan. 16. Two were discovered, one displaying, at Abbey Point, Harford County on Jan. 30 (Webb), and 1 was displaying at Waldorf on Feb. 13 (Jett).

Jaegers, Dark-headed Gulls. A **Pomarine Jaeger** was spotted at Ocean City on Jan. 8 (Brodericks). Thirty **Laughing Gulls** lingered at Ocean City on Dec. 6 (Hoffman, O'Brien), and a suspected adult **Laughing X Ring-billed Gull** hybrid was at West Ocean City on Dec. 28, presumably the same bird present during fall 1990 and spring 1991 (O'Brien). Mike O'Brien discovered a first-winter **Little Gull** at Ocean City on Dec. 31, and Janni notched an adult there on Jan. 22. An adult **Common Black-headed Gull** was sorted out at Conowingo on Jan. 1 (Gustafson) and seen again on Jan. 6-7 (Beth Olsen). Another was present at Crownsville on Jan. 7 (Willem Maane) and seen by others through Jan. 18 (Wilson, Osenton+). Paulus checked off 2 inland **Bonaparte's Gulls** at Cumberland on Jan. 12 and 1 at Rocky Gap SP on Jan. 13.

White-headed Gulls. High tallies for **Ring-billed Gulls** were 4500 at Linkwood on Dec. 15 (Reese), 5600 during the Triadelphia Reservoir CBC on Dec. 26 (N. & F. Saunders+), 4000 at Laytonsville on Jan. 16 (O'Brien), and 14,000 at Kennedyville on Jan. 23 (Grubers). Inland Ring-billeds included 8 at Cumberland on Jan. 8, 1 there on Jan. 20-22 and 1 at Town Hill on Jan. 23 (Paulus), and about 250 in Greenbelt on Feb. 10 (Southworths). Mary Twigg found over 100 spring migrants at Cumberland on Feb. 16. A **California Gull** was identified at Georgetown Reservoir on Jan. 16 for the first DC record (Janni), and a California Gull was at Laytonsville on Jan. 23 (Mackiernan, Paul O'Brien). Large concentrations of **Herring Gulls** were 2500 at Assateague on Dec. 4 (O'Brien), 650 at Linkwood on Dec. 15 (Reese), 3000 at Worcester County landfill on Dec. 31 (Hoffman, O'Brien), and 6000 at Laytonsville on Jan. 16 (O'Brien). The **Yellow-legged Gull** was back at Laytonsville from Jan. 9 through Feb. 27 (Mike & Paul O'Brien, Czaplak, Janni, Mackiernan +), and reported off and on at Georgetown Reservoir from Feb. 2 (Czaplak) through Feb. 28 (Janni, Elitzak). Sightings of **Iceland Gulls** were plentiful this season with a first-year bird at Ocean City on Dec. 13 (Hoffman, O'Brien, David Arbor), 1 at DC on Dec. 17-19 (Janni, Elitzak), and 2, both first-winter, at Georgetown Reservoir on Dec. 31 (Janni, Hilton). Ottavio Janni reported that individual characteristics indicated there were at least 7 different Iceland Gulls in the DC-Laytonsville area this winter: 4 first-years, 1 third-year, and 2 adults, one of which showed pure white wingtips. An adult Iceland Gull was picked out of the mass of gulls at Conowingo on Jan. 1 (Gustafson), and Nancy Magnusson identified a first-winter at Alpha Ridge landfill in Howard County on Jan. 23. A second-year Iceland Gull was reported at Blackwater on Jan. 23 (Kenneth Kelly), a first-winter at Conowingo on Jan. 30 (Scarpulla), and a second-winter at Alpha Ridge landfill on Feb. 6 (Scarpulla, Ralph Cullison, Deb Terry). An adult **Thayer's Gull** was seen at Conowingo on Jan. 1 (Gustafson), and another adult Thayer's was identified at Georgetown Reservoir on

Jan. 16 (Janni). A first-winter Thayer's was notched at Laytonsville on Jan. 23 (Mackiernan, Paul O'Brien). Winter **Lesser Black-backed Gulls** were again widespread and included 1 at Greenbelt Lake on Dec. 8 (P. Davis), 1 adult at the Worcester County landfill from Dec. 12 to Jan. 23 (Hoffman, O'Brien), an adult at a small pond near Greenbelt on Dec. 15 (Southworths), 6 at Georgetown Reservoir (Janni, Elitzak) and 4 at Hains Point (David Spector) on Dec. 19, a second-year bird at Berlin on Dec. 31 (Hoffman, O'Brien), 1 at Crownsville on Jan. 9 (P. Davis), 11 (in all age groups) at Laytonsville on Jan. 16 (O'Brien, Mackiernan), 2 on Liberty Lake (Baltimore and Carroll counties) on Jan. 16 (Ringler), 6 at Georgetown Reservoir on Jan. 23 (Janni), 1 at Westover, Somerset County on Jan. 23 (O'Brien), 1 at the Charles County landfill the same day (Jett), 2 at the Northern Landfill near Westminster on Jan. 23 (Ringler, Dave Smith), a third-winter bird at a pond near the Frederick County landfill on Jan. 28 (Miller), 1 near Millersville on Jan. 30 (P. Davis), an adult at Piney Run on Jan. 31 (Ringler, Alex & Helene Hammer), and 2 at Eastern Neck on Feb. 22 (Grubers). Solo first-winter **Glaucous Gulls** were noted at Georgetown Reservoir on Dec. 18-19 (Janni, Elitzak), at Governor's Run, Calvert County on Jan. 12 (Morss Lippincott), and at Laytonsville on Jan. 23 (Mackiernan, Greg Miller, Paul O'Brien). A second-winter Glaucous was found at Alpha Ridge landfill in Howard County on Feb. 6 (Scarpulla, Cullison, Terry), and another at Laytonsville on Feb. 13 (Mackiernan). A first-year **Glaucous X Herring** hybrid was checked off at the Worcester County landfill on Jan. 23 (Hoffman, O'Brien). Large concentrations of **Great Black-backed Gulls** were 200 at Assateague on Dec. 4 (Hoffman), and over 30 on the Choptank River in Caroline County on Jan. 26 (D. Ford). Two Great Black-backed were inland at Greenbelt on Feb. 10 (Southworths).

Kittiwakes, Terns, Alcids. An adult **Black-legged Kittiwake** was spotted at Ocean City on Dec. 13 (Jett, Mackiernan, David Arbor) and Dec. 14 (Janni). A first-winter was discovered at Conowingo on Dec. 14 (Beth Olsen), and an adult was seen again at Ocean City on Dec. 31 (Hoffman, O'Brien). **Forster's Terns** of note were 30 at Ocean City Dec. 6 (Hoffman, O'Brien), 5 there on Dec. 12 (O'Brien), 2 at Leonardtown on Dec. 13 (Steve Sanford+), and another at Ocean City on Dec. 28 (Hoffman). A **Razorbill** was observed flying over the water at Ocean City on Jan. 17 (Osenton), 1 was seen at the inlet there on Jan. 20 (Elitzak), an immature was identified there on Jan. 22 (Janni), and another Razorbill was spotted at Assateague on Jan. 23 (O'Brien). Steve Cordle reported a **Common Murre** at the Ocean City inlet on Jan. 16, seen again there on Jan. 21 (Willem Maane).

Doves, Parakeets. Large groups of **Mourning Doves** were 304 near Lilypons Dec. 14 (Wilson) and over 200 at the C&O Canal near Cumberland on Jan. 17 (Twigg). An escaped **Monk Parakeet** frequented a feeder in Prince George's County for several weeks beginning in December (Bradshaw).

Owls, Woodpeckers. Dave Webb reported a nesting pair of **Barn Owls** around Joppatowne on Feb. 10 and a pair of **Great Horned Owls** was found nesting in the Harmony area, with 2 eggs only five to six feet off the ground, on Feb. 12 (J. Lovelace). Two **Long-eared Owls** were found this winter at Still Pond, Kent County on Feb. 8 (Floyd Parks). Stauffer Miller flushed a **Short-eared Owl** from a field at Old Mill Road, Frederick County on Jan. 15 (Miller). Short-eareds were noted as usual at Deal Island WMA with 2 on Jan. 18 (Bonham). Six were tallied near Denton on Feb. 7 (Reese), and another was at Greensboro on Feb. 21 (Nuttle). A **Red-headed Woodpecker** was located at Flintstone on Jan. 23 (Twigg) and another at Black Rock Road, Washington County on Feb. 5 (Weesner).

Flycatchers, Larks. An **Ash-throated Flycatcher** was a crowd-pleaser at Blackwater on Dec. 4-5 (Janni). Numerous **Eastern Phoebe**s included 9 near Stockton on Dec. 30 (Hoffman), 1 at Federalsburg on Jan. 2 (Glime), 1 at Piney Run on Jan. 15 (Ringler), 1 near Town Creek Jan. 15 and 1 at Pinto Marsh the next day (Simons), 1 at Pennyfield on Jan. 30 (Lola Oberman), 1 at the C&O Canal near Cumberland on Jan. 31 (Twigg), 1 at Chicamacomico, Dorchester County on Feb. 3 (Wilson), 1 at Allens Fresh on Feb. 6 (Jett), 1 in western Howard County the same day (J. Byrnes, K. Quinlan), 2 at Marumsc, Somerset County on Feb. 7 (Ringler), 1 at Smithson, Caroline County on Feb. 24 (Engle), and 1 in Frederick County on Feb. 28 (Warfield), the latter probably the first spring migrant. Highs for **Horned Larks** were 142 at Chicamacomico, Dorchester County on Feb. 3 (Wilson), 1700 in southern Frederick County on Feb. 21 (O'Brien), and 150 near Chestertown on Feb. 26 (Grubers).

Corvids, Wrens, Thrushes. Mark Hoffman and Mike O'Brien estimated over 5000 **Fish Crows** at Deal Island WMA on Jan. 24, and Erika Wilson tallied 185 at Golden Hill on Feb. 6. Dave Weesner noted 2 **Common Ravens** at Washington Monument SP on Jan. 16, and Jim Paulus checked off 4 at Town Hill on Jan. 27. Mark Hoffman noted 4 **House Wrens** north of Route 50 in Worcester County on Dec. 19th, 3 near Stockton on Dec. 30, and 31 **Winter Wrens** near Stockton as well, the same day. Birders participating in the Triadelphia Reservoir CBC on Dec. 26 checked off a nice tally of 310 **Eastern Bluebirds** (N. & F. Saunders+). Don Simonson estimated 145 **American Robins** in a flock at DC on Jan. 16.

Mimids. Interesting **Gray Catbird** observations were 1 at Aberdeen on Jan. 15 (Webb), 1 at the Eastern Sanitary landfill, Baltimore County on Jan. 16 (Scarpulla), 1 near Sharpsburg on Jan. 28 (Weesner), 2 at Spice Creek, Prince Georges County on Jan. 28 (O'Brien), 1 in Columbia until the end of January (Southworths), and 1 near Thurmont on Jan. 31 (Miller). George Jett found a **Brown Thrasher** at Point Lookout on Jan. 30, another was at a feeder in Bittinger on Feb. 15 (Joan Opel, Skipper), and Harry Armistead noted 1 at Bellevue on Feb. 27.

Pipits, Shrikes, Vireos. Erika Wilson counted 129 **American Pipits** at Chicamacomico, Dorchester County on Feb. 3, Ringler estimated 200 near Federalsburg on Feb. 10, and Mike O'Brien found 46 near Pittsville on Feb. 27. The only **Loggerhead Shrike** reported away from Lily Pons was at Emmitsburg on Dec. 20 (Ringler, Bill Kulp, Jr., Jerry Tarbell), and a **Northern Shrike** was found briefly by Danny Bystrak at Finzel Swamp on Feb. 6, the same location where he saw one earlier on Nov. 27. A **White-eyed Vireo** banded at Bristol on Nov. 27 was recaptured Dec. 14 (Melville). Mike O'Brien found a **Solitary Vireo** near Greenbackville, Worcester County on Dec. 30.

Warblers. A hard-to-find **Orange-crowned Warbler** was located by Erika Wilson at Elliott Island on Dec. 31, and a **Black-throated Blue Warbler** frequented a feeder at Braddock Heights throughout January and February (Miller). A Black-throated Green Warbler near Laurel on Jan. 6 provided the first regional winter record (Greg Gough). The Grubers noted 150 **Yellow-rumped Warblers** in Chestertown on Feb. 18, and 37 **Pine Warblers** were tallied near Stockton on the Chincoteague CBC on Dec. 30 (Hoffman). Mike O'Brien found 7 Pine Warblers near Snow Hill on Feb. 13. Also noted by Hoffman, near Stockton during the Dec. 30 Chincoteague CBC, were 1 "yellow" and 8 "western" **Palm Warblers**. Bob Ringler located 2 western Palm Warblers at Federalsburg on Feb. 10, and Greg Gough found 3 near Delmar on Feb. 19. **Black-and-white Warblers** of note were single birds at Indian Head on Dec. 14 (Carol Gheblian), and in DC on Dec. 19 (Fritz Davis, David Spector). A **Common Yel-**

lowthroat was seen at Emmitsburg on Dec. 20 (Ringler), and Dave Wallace discovered 1 in Frederick on Feb. 9. Dick Homan checked off a **Wilson's Warbler** in DC on Dec. 19. A **Yellow-breasted Chat** was observed at a suet feeder in Parkville on Jan. 1 (Bunny Waitkus), and Gary Nelson found another chat at Black Hill Park on Jan. 2.

Grosbeaks, Buntings, Sparrows, Longspurs, Snow Buntings. Pat Moser had a **Blue Grosbeak** visit her feeder in Chestertown on Feb. 11, and a male **Painted Bunting** was seen off and on in Berlin from Feb. 15 through the 28th (Mary Humphreys). **American Tree Sparrows** made an appearance this winter with 3 at Allens Fresh on Jan. 23 (Jett). **Chipping Sparrows** were in good numbers, indicative of the mild conditions, with 1 at Elkridge on Dec. 13-25 (Amy Thornton), 20 at Eldorado on Dec. 27 (Reese), 1 near Damascus on Jan. 17 (David Smith), 1 near Church Creek on Jan. 30 (Ricciardi), 1 near Westminster on Feb. 3 (Henry Leskinen), 6 at Chicamacomico, Dorchester County on Feb. 3 and 1 at Golden Hill on Feb. 6 (Wilson), 82 in one flock at Shad Landing on Feb. 13 (O'Brien), 60 at Parsonsburg on Feb. 13 (Pitney), and 1 at Wittman on Feb. 28 (Reese). A **Vesper Sparrow** was spotted at the Worcester County landfill on Dec. 12 and 4 were near Frogeye, Somerset County on Jan. 24 (Hoffman, O'Brien), and 2 were found near Golts on Feb. 6 (Grubers). An adult **Lark Sparrow** was a pleasant surprise at a feeder near Ridgely, on Feb. 26-27 (Scott Smith, O'Brien+). Large numbers of **Savannah Sparrows** were 120 around Golts on Feb. 6 (Grubers), 30 at Golden Hill the same day (Wilson), and 90 near Pittsville on Feb. 27 (O'Brien). Mike O'Brien identified an **Ipswich Sparrow** at the west end of the bridge to Ocean City on Dec. 28, located 12 **Fox Sparrows** at Pocomoke State Forest on Feb. 13, and found a **Lincoln's Sparrow** near Pittsville on Feb. 7. Jett counted 8 juvenile **White-crowned Sparrows** at Allens Fresh on Jan. 23, and an "**Oregon Junco**" was reported at Denton on Feb. 2 (Short) and Feb 14 (Fletcher). The Lilypons area proved reliable for **Lapland Longspurs** again with 6 on Nov. 29 (Mackiernan), and 24 on Jan. 17 (O'Brien). Others were 3 near Ironshire on Dec. 4 and 3 near George Island Landing on Dec. 28 (O'Brien, Hoffman), and 25 at Claggett Center near Buckeystown on Feb. 27 with a large mixed flock of Horned Larks and **Snow Buntings** (Miller). Other Snow Bunting reports were of 1 with Horned Larks near Lilypons on Nov. 29 (Mackiernan), 14 at Laytonsville on Dec. 26 (Mike & Paul O'Brien+), 1 at Eastern Neck NWR on Jan. 17 (Steve Cordle), 1 at Swan Point on Feb. 6 (Grubers), and 42 at Claggett Center on Feb. 28 (Mike & Paul O'Brien).

Icterines, Finches. An adult male **Yellow-headed Blackbird** in a flock of 100 **Red-winged Blackbirds** was spotted flying over the Salisbury landfill on Jan. 23 (O'Brien). Three **Brewer's Blackbirds** were found near Stockton on Dec. 4 (Janni), and a flock of about 50 **Rusty Blackbirds** was observed near Lewistown on Feb. 7 (Miller). Dave Webb discovered a complete albino **Common Grackle** at Forest Hill on Feb. 26. It was another poor year for northern finches but Phil and Barbara Davis had from one to four **Purple Finches** at their feeder in Davidsonville throughout the period. Paul DuMont reported 5 **White-winged Crossbills** in DC Jan. 10, and Connie Skipper had 27 **Pine Siskins** at her feeder in Oakland on Feb. 24.

REPORT OF THE STATEWIDE BIRD COUNT, MAY 8, 1993.

JIM STASZ

The 46th Annual May Count (Table 1) was average. The count of 173,536 individuals and 248 species was typical. 455 observers in 243 parties walked 845 miles in 1081 hours and drove 5310 miles in 498 hours. Everyone experienced a relatively windless, partly cloudy day with no precipitation. Once again all 23 Maryland counties reported, but for the first time in many years, no report was received from the District of Columbia. One species was added to the cumulative May Count list, and there were a few noteworthy birds (in taxonomic order):

Red-throated Loon: Cal Posey found a late bird in southern Charles County. After late April all reports of this species are notable.

Brown Pelican: Unknown on May Counts until recently, the 16 total is a new high, with 6 from the typical haunts in Worcester County and another 10 found by Mark Hoffman at Smith Island in Somerset County. Later in the year they were found nesting on Shank's Island, Virginia just south of the Maryland line.

Mississippi Kite: Pending acceptance by the Maryland-District of Columbia Records Committee, I have added a report of an adult seen flying over Susquehanna Hall Road near Broad Creek in Harford County by Jeff Effinger. This was but one of a half-dozen reports in Maryland this spring.

Black Rail: Almost expected every year in Dorchester and Somerset, the find of 2 birds by Pattie Craig, Ann Bishop and Jim Boxwell from Cornfield Harbor, St. Mary's County was a pleasant surprise.

Northern Saw-whet Owl: The birders in Garrett must be getting lackadaisical about this one: there was no mention of who or where the bird was found. I would note that the first nesting confirmed nesting record for Maryland was established shortly before the count.

Gray-cheeked/Bicknell's Thrush: Bird banders know that both pass through Maryland in the spring but not many field birders know how to distinguish these two. Stauffer Miller had one in Frederick; Ernest Willoughby described an apparent Gray-cheek from St. Mary's County where a probably Bicknell's was heard by Shirley Wood.

Clay-colored Sparrow: Kyle Rambo reported that the bird first found on April 17 remained through the 10th at Patuxent Naval Air Station in St. Mary's County.

The 46th May Count coincided with the 2nd Annual North American Migration Count and the 1st International Migratory Bird Day. As explained last year, the North American Migration Count is quite simply a geographically expanded May Count. International Migratory Bird Day has been established by the Smithsonian Migratory Bird Center as a platform for the numerous conservation efforts already underway through the Partners in Flight-Aves de las Americas Program. The North American Migration Count is a grass-roots project instituted by independent birders to gather

information about the distribution and abundance of all birds. More than 5,751 birders in 546 counties in 43 states and 3 Canadian provinces counted 2,211,119 individuals of 546 species in the North American count. The Maryland observers are acknowledged below.

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Table 1. Statewide May Count, May 8, 1993

	Garr.	Alla.	Wash.	Fred.	Carr.	Mont.	Howa.	Balt.	Harf.	Ceci.	Pr.G.
Red-throated Loon	-	-	-	-	-	-	-	-	-	-	-
Common Loon	9	2	1	5	9	4	58	-	3	-	6
Pied-billed Grebe	-	-	-	-	-	-	-	-	3	-	1
Northern Gannet	-	-	-	-	-	-	-	-	-	-	-
Brown Pelican	-	-	-	-	-	-	-	-	-	-	-
D.C. Cormorant	-	-	7	22	-	42	27	110	75	14	1
American Bittern	-	-	-	-	-	1	-	-	1	-	-
Least Bittern	-	-	-	1	-	1	-	-	1	-	-
Great Blue Heron	2	3	1	8	2	16	13	69	237	8	49
Great Egret	-	-	-	-	-	-	-	1	2	1	1
Snowy Egret	-	-	-	-	-	-	3	2	-	-	-
Little Blue Heron	-	-	-	-	-	-	-	-	-	-	-
Tricolored Heron	-	-	-	-	-	-	-	-	-	-	-
Cattle Egret	-	-	1	-	-	-	-	2	24	-	-
Green-backed Heron	10	6	5	11	3	7	26	4	9	-	10
Blk-crn.Night-Heron	-	-	-	-	-	-	-	1	1	-	-
Yel-crn.Night-Heron	-	-	-	-	-	-	-	-	-	-	-
Night-Heron sp.	-	-	-	-	-	2	-	-	-	-	-
Glossy Ibis	-	-	-	-	-	-	-	-	-	-	7
Tundra Swan	-	-	-	2	-	-	-	-	-	-	-
Mute Swan	-	-	-	1	-	-	2	-	-	-	-
Snow Goose	-	-	-	-	-	-	-	-	-	-	-
Canada Goose	104	30	89	306	210	338	230	105	255	27	127
Wood Duck	41	3	28	58	17	29	35	23	36	3	52
Green-winged Teal	-	-	-	-	-	-	-	25	-	-	-
Am.Black Duck	-	2	-	-	-	-	2	1	-	1	4
Mallard	164	34	154	79	43	81	251	145	140	7	179
Northern Pintail	-	-	-	-	-	-	-	-	2	-	-
Blue-winged Teal	-	-	-	-	-	-	-	1	-	-	10
Gadwall	-	-	-	-	-	-	-	7	-	-	1
Canvasback	-	-	-	-	-	-	1	5	-	-	-
Ring-necked Duck	-	-	-	-	-	-	-	1	-	-	-
Lesser Scaup	-	-	-	-	-	-	-	1	4	-	-
Oldsquaw	-	-	-	-	-	-	-	-	-	-	-
White-winged Scoter	-	-	-	-	-	-	-	-	-	-	-
Bufflehead	-	-	-	-	-	-	-	-	-	-	-
Hooded Merganser	-	-	-	-	-	-	-	-	-	-	1
Common Merganser	2	-	2	1	-	2	-	-	1	-	-
Red-breasted Merganser	-	1	-	-	-	-	-	-	1	-	-
Ruddy Duck	-	-	-	1	-	-	-	121	-	-	-
Black Vulture	-	1	11	49	18	4	17	1	17	11	4
Turkey Vulture	74	41	64	98	75	41	88	60	107	30	60
Osprey	3	1	4	4	1	1	-	22	39	4	29
Mississippi Kite	-	-	-	-	-	-	-	-	1	-	-
Bald Eagle (adult)	-	-	-	-	-	-	2	3	9	-	-
Bald Eagle (immature)	1	-	-	-	-	2	-	-	3	-	-
Bald Eagle (age unknown)	-	-	-	-	-	-	-	-	-	-	1
Northern Harrier	-	-	-	-	-	-	-	1	-	-	1
Sharp-shinned Hawk	6	4	2	2	1	1	2	3	4	-	1
Cooper's Hawk	3	1	2	1	-	-	-	-	2	-	3
Red-shouldered Hawk	1	1	3	12	2	7	38	20	10	2	32
Broad-winged Hawk	12	8	8	2	3	-	1	3	5	-	3
Red-tailed Hawk	7	8	37	22	26	6	28	14	28	3	21
Buteo species	-	-	-	-	-	-	-	-	-	-	-
American Kestrel	1	2	11	24	15	-	8	2	11	1	7
Merlin	-	-	-	-	-	-	-	-	-	-	-
Peregrine Falcon	-	-	-	-	-	-	-	4	-	-	-
Ring-necked Pheasant	1	-	8	8	10	-	6	2	1	-	-
Ruffed Grouse	21	2	2	-	-	-	-	-	-	-	-
Wild Turkey	11	17	6	1	1	-	-	2	1	1	-

Table 1 (cont'd). Statewide May Count, May 8, 1993

Anne	Calv.	Chas.	St.M.	Kent	QuAn.	Caro.	Talb.	Dorc.	Wico.	Some.	Worc.	Total#	Co.s
-	-	1	-	-	-	-	-	-	-	-	-	1	1
17	10	2	22	9	4	-	3	7	-	9	1	181	19
-	-	-	-	-	-	-	-	1	-	2	-	7	4
-	-	-	-	-	-	-	-	-	-	-	4	4	1
-	-	-	-	-	-	-	-	-	-	10	6	16	2
62	9	71	26	177	32	4	64	65	4	262	191	1265	20
-	-	1	-	-	-	-	-	1	-	-	-	4	4
-	-	-	1	1	-	1	-	10	-	1	-	17	8
155	25	124	51	78	37	38	23	38	5	26	3	1011	23
7	-	-	10	1	3	-	-	26	-	44	13	109	11
7	-	-	6	2	8	-	7	90	-	110	14	249	10
-	-	-	-	-	-	-	1	1	-	16	2	20	4
-	-	-	-	-	-	-	-	2	-	70	-	72	2
14	-	5	5	41	39	-	20	1	-	41	14	207	12
14	1	11	11	5	14	5	1	5	1	8	2	169	22
4	-	-	-	2	-	-	-	1	1	20	-	30	7
-	-	-	-	-	-	-	-	-	-	8	-	8	1
-	-	-	-	-	-	-	-	-	-	-	-	2	1
-	-	-	-	-	-	-	-	-	-	74	33	114	3
-	-	-	3	4	1	1	1	-	-	-	-	12	6
6	-	4	5	45	14	-	22	219	-	-	-	318	9
-	-	-	-	-	-	-	-	1	-	-	-	1	1
41	12	91	24	165	34	30	35	70	64	48	13	2448	23
18	5	29	10	34	8	23	15	14	3	-	2	486	22
-	-	-	-	-	-	-	-	-	-	-	-	25	1
-	2	-	1	2	4	8	1	15	-	51	4	98	14
68	48	66	63	383	114	83	49	68	35	95	53	2402	23
-	-	-	-	-	-	-	-	-	-	-	-	2	1
-	-	-	-	-	-	1	-	5	-	3	-	20	5
-	-	-	-	-	-	-	-	2	-	14	-	24	4
1	-	1	-	-	-	-	-	-	-	-	-	8	4
-	-	-	-	-	-	-	-	-	-	-	-	1	1
22	-	-	-	-	-	-	-	1	-	-	-	28	4
4	-	-	-	-	-	-	-	-	-	-	-	4	1
-	-	-	-	6	-	-	-	-	-	-	-	6	1
-	-	-	-	-	1	-	-	-	-	-	-	1	1
-	-	-	-	-	-	-	-	-	-	-	-	1	1
-	-	-	1	3	-	-	-	-	-	-	-	12	7
-	-	-	1	-	-	-	-	6	-	-	2	11	5
15	-	-	-	2	-	1	-	-	-	-	-	140	5
27	25	9	31	23	14	19	9	4	-	13	2	309	21
63	44	39	56	140	170	210	101	91	81	85	43	1861	23
43	30	86	67	51	40	29	50	35	22	43	16	620	22
-	-	-	-	-	-	-	-	-	-	-	-	1	1
2	2	-	2	5	5	5	5	-	2	1	-	43	12
-	-	-	2	6	2	2	3	-	2	1	-	24	10
-	-	14	-	-	-	-	-	11	-	-	-	26	3
2	-	-	-	4	1	-	1	5	-	2	-	17	8
18	2	1	2	1	-	-	-	-	-	-	-	50	15
4	-	-	1	-	1	-	-	-	-	-	-	18	9
6	-	17	6	-	1	1	1	-	1	2	3	166	20
1	-	2	-	-	-	-	-	2	-	1	-	51	13
12	5	16	15	11	7	18	11	6	6	2	1	310	23
-	-	-	2	-	-	-	-	-	-	-	-	2	0
8	-	3	2	1	3	2	-	-	1	-	-	102	17
-	-	-	-	1	-	-	-	-	-	-	-	1	1
1	-	-	-	-	-	-	-	-	-	-	1	6	3
-	-	-	-	2	4	-	-	-	-	-	-	40	9
-	-	-	-	-	-	-	-	-	-	-	-	25	3
-	2	-	1	12	3	11	2	-	-	-	-	71	14

Table 1 (cont'd). Statewide May Count, May 8, 1993

	Garr.	Alle.	Wash.	Fred.	Carr.	Mont.	Howa.	Balt.	Harf.	Ceci.	Pr.G.
Northern Bobwhite	5	1	7	3	1	-	1	2	36	8	6
Black Rail	-	-	-	-	-	-	-	-	-	-	-
Clapper Rail	-	-	-	-	-	-	-	-	-	-	-
King Rail	-	-	-	-	-	1	-	-	1	-	-
Virginia Rail	1	2	-	-	-	1	-	6	2	-	-
Sora	-	2	-	-	-	-	-	-	-	-	1
Common Moorhen	-	-	-	-	-	-	-	-	-	-	-
American Coot	-	1	-	1	-	-	-	1	-	-	1
Black-bellied Plover	-	-	-	-	-	-	-	14	-	-	-
Semipalmated Plover	-	-	-	-	-	-	-	64	-	-	3
Piping Plover	-	-	-	-	-	-	-	-	-	-	-
Killdeer	51	12	24	25	27	7	33	36	30	7	19
American Oystercatcher	-	-	-	-	-	-	-	-	-	-	-
Black-necked Stilt	-	-	-	-	-	-	-	-	-	-	-
Greater Yellowlegs	2	1	-	6	-	1	-	2	5	1	20
Lesser Yellowlegs	7	-	-	10	-	-	-	2	6	-	8
Solitary Sandpiper	3	7	14	38	1	2	22	12	30	-	6
Willet	-	-	-	-	-	-	-	-	-	-	-
Spotted Sandpiper	46	5	19	10	9	18	10	33	7	-	12
Upland Sandpiper	-	-	-	3	-	-	-	-	-	-	-
Ruddy Turnstone	-	-	-	-	-	-	-	-	-	-	-
Sanderling	-	-	-	-	-	-	-	-	-	-	-
Semipalmated Sandpiper	-	-	7	-	-	4	2	7	-	-	21
Least Sandpiper	-	11	-	7	-	9	-	124	8	7	-
White-rumped Sandpiper	-	-	-	-	-	-	-	1	-	-	-
Pectoral Sandpiper	-	-	3	-	-	-	-	-	-	-	-
Dunlin	-	-	-	-	-	-	-	7	-	-	-
peep species	-	-	-	-	-	-	-	-	-	-	-
Stilt Sandpiper	-	-	-	-	-	-	-	1	-	-	-
Short-billed Dowitcher	4	-	-	-	-	-	-	1	-	-	-
Coomon Snipe	1	-	-	-	-	-	1	-	-	3	2
American Woodcock	13	7	2	-	-	1	-	1	28	-	-
Laughing Gull	-	-	-	-	-	-	-	25	1	-	225
Bonaparte's Gull	-	-	-	-	-	-	-	1	-	-	-
Ring-billed Gull	10	-	-	3	5	1	16	143	167	18	90
Herring Gull	-	-	-	-	-	-	-	49	12	9	21
Great Black-backed Gull	-	-	-	-	-	-	-	27	7	-	-
gull species	-	-	-	-	-	-	3	-	-	-	-
Gull-billed Tern	-	-	-	-	-	-	-	-	-	-	-
Caspian Tern	-	-	-	-	-	-	-	57	5	-	6
Royal Tern	-	-	-	-	-	-	-	-	-	-	-
Common Tern	-	-	-	-	-	-	-	-	-	-	-
Forster's Tern	-	-	-	-	-	-	-	3	-	-	16
Sterna species	-	-	-	-	-	-	-	-	-	-	-
Least Tern	-	-	-	-	-	-	-	-	40	-	-
Black Skimmer	-	-	-	-	-	-	-	-	-	-	-
Rock Dove	78	161	236	169	269	52	239	203	135	7	63
Mourning Dove	122	119	236	175	238	98	371	240	272	28	320
Black-billed Cuckoo	-	8	2	5	2	2	1	1	1	1	1
Yellow-billed Cuckoo	3	22	12	29	1	17	1	5	5	8	18
Barn Owl	-	-	-	1	-	-	-	-	2	-	1
Eastern Screech-Owl	1	3	9	5	2	-	1	-	32	2	1
Great Horned Owl	3	-	5	4	-	-	7	3	21	2	1
Barred Owl	6	1	6	10	3	13	11	5	13	3	10
N.Saw-whet Owl	1	-	-	-	-	-	-	-	-	-	-
Common Nighthawk	2	13	2	-	-	2	-	-	1	-	-
Chuck-will's-widow	-	-	-	-	-	-	-	1	-	1	1
Whip-poor-will	3	9	6	4	2	1	-	8	33	16	5
Chimney Swift	38	180	263	145	177	50	197	947	109	11	75
Ruby-thrt'd Hummingbird	51	16	11	8	10	16	16	20	20	4	25

Table 1 (cont'd). Statewide May Count, May 8, 1993

Anne	Calv.	Chas.	St.M.	Kent	QuAn.	Caro.	Talb.	Dorc.	Wico.	Some.	Worr.	Total#	Co.s
23	6	17	14	28	43	95	59	21	9	19	7	411	22
-	-	-	2	-	-	-	-	6	-	4	-	12	3
4	-	-	4	-	-	-	-	6	-	32	-	46	4
-	-	-	4	3	-	1	-	1	-	1	-	12	7
-	-	1	5	22	1	2	-	100	-	10	-	153	12
-	-	-	-	-	-	-	-	1	-	-	-	4	3
-	-	-	-	-	-	5	-	-	-	1	-	6	2
1	-	1	-	-	-	-	-	-	-	-	-	6	6
-	-	-	-	1	-	-	-	58	-	3	27	103	5
-	-	2	-	2	20	17	128	9	-	314	13	572	10
-	-	-	-	-	-	-	-	-	-	-	15	15	1
20	6	19	15	106	62	56	24	18	24	24	6	651	23
-	-	-	-	-	-	-	-	2	-	-	40	42	2
-	-	-	-	-	-	-	-	-	-	4	-	4	1
29	2	7	3	12	12	15	11	19	-	106	58	312	19
1	-	-	-	6	4	20	7	4	-	50	-	125	12
15	-	18	2	1	10	-	-	1	-	-	-	182	16
-	-	-	2	1	-	-	-	25	-	33	45	106	5
11	4	5	9	6	3	5	4	-	-	-	1	217	19
-	-	-	-	-	-	-	1	-	-	-	-	4	2
-	-	-	-	-	-	-	1	2	-	1	6	10	4
-	-	-	-	-	-	-	25	5	-	-	283	313	3
-	6	-	-	18	12	15	2	9	-	206	68	377	13
25	8	17	3	154	74	5	18	45	-	416	-	931	16
-	-	-	-	-	-	-	-	-	-	3	-	4	2
-	-	-	-	3	-	2	-	-	-	-	-	8	3
-	-	-	2	8	-	-	-	85	-	240	20	362	6
-	-	-	44	-	1	-	-	-	-	-	-	45	2
-	-	-	-	2	-	-	-	-	-	1	-	4	3
-	-	-	-	-	-	-	-	3	-	101	78	187	5
-	-	-	-	-	-	-	-	-	-	-	-	7	4
-	1	2	-	7	-	2	-	9	-	-	-	73	11
298	81	63	489	316	337	147	1390	924	237	272	253	5058	15
-	-	-	-	-	1	-	-	-	-	-	1	3	3
44	63	367	251	2652	152	28	74	27	5	7	104	4227	21
227	34	39	201	12	12	-	5	90	-	325	43	1079	14
18	3	13	3	3	-	-	3	9	-	30	35	151	11
-	-	-	2	-	12	-	-	-	-	-	-	17	3
-	-	-	-	-	-	-	-	-	-	-	1	1	1
15	-	8	9	13	1	-	-	1	-	-	-	115	9
1	14	83	47	-	-	-	-	10	-	12	51	218	7
-	4	4	7	1	10	-	-	2	-	3	592	623	8
-	5	4	6	30	-	10	-	35	16	38	-	163	10
-	-	-	3	8	-	-	-	-	-	-	-	11	2
6	5	-	13	1	-	9	6	20	-	3	2	104	10
-	-	-	-	-	-	-	-	-	-	-	302	302	1
57	5	29	32	53	58	117	2	6	14	7	13	1995	23
154	167	145	154	80	151	152	126	22	60	26	26	3482	23
-	-	-	-	4	4	-	1	-	-	2	-	35	14
5	3	14	6	10	18	38	21	9	6	4	3	258	23
-	-	1	-	3	-	-	-	2	-	-	-	10	6
2	2	2	6	6	-	10	1	4	-	-	-	89	17
1	6	-	3	20	6	9	9	10	-	-	-	110	16
4	3	20	4	3	2	10	2	4	-	2	1	136	22
-	-	-	-	-	-	-	-	-	-	-	-	1	1
8	-	-	1	-	-	-	-	1	-	-	-	30	8
2	16	4	23	14	1	2	2	18	-	2	5	92	14
3	3	15	20	-	-	10	2	8	-	1	-	149	18
105	48	98	63	78	72	113	18	32	32	45	6	2902	23
24	38	37	26	41	13	32	18	12	7	12	4	461	23

Table 1 (cont'd). Statewide May Count, May 8, 1993

	Garr.	Alle.	Wash.	Fred.	Carr.	Mont.	Howa.	Balt.	Harf.	Ceci.	Pr.G.
Belted Kingfisher	6	7	9	11	11	11	14	10	13	2	17
Red-headed Woodpecker	-	-	1	5	6	2	-	-	-	-	-
Red-bellied Woodpecker	12	43	58	99	57	61	152	111	128	24	92
Yel.-bellied Sapsucker	-	-	-	-	-	-	-	-	-	-	1
Downy Woodpecker	47	26	27	42	27	18	65	42	40	11	41
Hairy Woodpecker	21	6	9	7	6	9	5	15	5	4	23
N.(Yel.-shafted)Flicker	48	13	53	48	52	31	103	55	76	14	47
Pileated Woodpecker	22	27	13	8	2	21	17	18	9	2	23
Olive-sided Flycatcher	-	-	-	-	-	-	-	-	-	-	-
Eastern Wood-Pewee	12	14	11	48	21	25	35	21	56	2	30
Yel.-bellied Flycatcher	-	-	-	-	-	-	-	-	-	-	-
Acadian Flycatcher	4	12	15	56	26	68	44	40	64	7	39
Alder Flycatcher	-	-	-	-	-	-	-	-	-	-	-
Willow Flycatcher	-	-	-	5	1	-	1	1	2	-	-
Least Flycatcher	10	-	5	-	-	5	2	1	1	-	-
Eastern Phoebe	44	45	61	37	33	23	44	26	35	7	22
Great-crested Flycatcher	17	31	60	65	25	43	32	37	24	5	15
Eastern Kingbird	37	8	50	68	97	35	97	90	116	11	82
Horned Lark	6	4	2	4	1	-	-	-	1	-	-
Purple Martin	12	5	110	56	23	2	44	29	56	4	105
Tree Swallow	97	17	71	14	32	52	36	10	189	20	113
N. Rough-winged Swallow	4	30	63	65	58	33	35	64	49	15	11
Bank Swallow	-	2	11	-	-	-	1	10	16	-	-
Cliff Swallow	59	-	5	-	103	12	78	10	-	-	5
Barn Swallow	267	50	297	146	215	19	232	285	291	23	121
Blue Jay	200	130	199	248	372	189	814	854	847	61	330
American Crow	294	144	286	322	289	150	440	356	351	53	338
Fish Crow	-	5	16	85	24	14	26	13	53	2	53
crow species	-	50	10	105	122	48	196	-	40	-	34
Common Raven	9	3	2	2	-	-	-	-	-	-	-
Black-capped Chickadee	171	46	5	-	-	-	-	-	-	-	-
Carolina Chickadee	-	-	54	84	62	98	225	119	121	21	165
Tufted Titmouse	100	81	107	148	95	97	256	147	140	24	168
Red-breasted Nuthatch	1	1	-	-	-	-	-	-	-	-	-
White-breasted Nuthatch	75	22	17	39	12	9	18	21	13	3	10
Brown-headed Nuthatch	-	-	-	-	-	-	-	-	-	-	-
Brown Creeper	6	1	2	-	-	-	-	-	-	-	2
Carolina Wren	9	33	56	118	44	123	123	111	75	10	121
House Wren	68	22	102	148	84	83	160	77	48	18	26
Winter Wren	1	1	-	-	-	-	-	-	-	-	-
Sedge Wren	-	-	-	-	-	-	-	-	-	-	-
Marsh Wren	-	-	-	-	-	-	-	63	15	-	2
Golden-crowned Kinglet	2	-	-	-	-	-	-	-	-	-	-
Ruby-crowned Kinglet	11	10	4	3	4	1	2	1	2	1	1
Blue-gray Gnatcatcher	39	94	47	166	114	92	181	136	211	14	131
Eastern Bluebird	26	53	129	52	72	7	71	37	72	8	71
Veery	7	1	1	39	8	29	22	29	13	8	11
Gray-cheeked Thrush	-	-	-	1	-	-	-	-	-	-	-
Swainson's Thrush	-	-	-	16	3	9	13	5	7	-	11
Hermit Thrush	6	-	-	-	-	-	3	-	1	-	-
Wood Thrush	35	48	73	171	133	101	248	160	295	79	165
American Robin	437	221	581	329	601	112	467	422	665	62	300
Gray Catbird	138	49	168	284	251	143	473	339	241	86	141
Northern Mockingbird	2	19	105	97	123	43	132	75	161	24	121
Brown Thrasher	16	22	40	30	29	6	19	11	30	9	11
Water Pipit	-	-	-	1	-	-	11	1	-	-	-
Cedar Waxwing	5	12	62	71	20	110	38	39	31	10	43
European Starling	145	155	729	729	866	158	869	684	832	56	543
White-eyed Vireo	8	10	10	19	22	31	113	96	106	28	93
Solitary Vireo	10	1	1	-	1	3	1	-	6	-	-

Table 1 (cont'd). Statewide May Count, May 8, 1993

Anne	Calv.	Chas.	St.M.	Kent	QuAn.	Caro.	Talb.	Dort.	Wico.	Some.	Worc.	Total#	Co.s
13	9	6	7	4	4	10	8	1	3	1	1	178	23
-	4	4	1	-	-	-	6	4	-	-	1	34	10
91	48	69	41	59	75	57	45	11	18	7	4	1362	23
-	-	-	-	1	-	-	-	-	-	-	-	2	2
52	34	20	13	20	17	18	12	7	9	3	6	597	23
7	3	10	2	6	6	3	6	2	1	2	-	158	22
37	16	8	18	39	22	14	15	16	3	15	10	753	23
13	11	20	7	3	4	8	5	9	3	-	3	248	22
-	-	-	-	-	-	-	-	-	1	-	-	1	1
11	24	34	17	18	25	18	16	12	15	20	15	500	23
-	-	-	2	-	-	-	-	-	-	-	-	2	1
30	18	48	29	24	19	16	2	2	7	11	15	596	23
-	-	-	-	1	-	-	-	-	-	-	-	1	1
-	-	-	1	-	-	-	-	-	-	-	-	11	6
-	-	-	2	-	-	-	-	-	-	-	-	26	7
16	19	25	13	15	4	27	9	-	1	4	4	514	22
25	10	16	13	56	56	73	49	25	34	18	17	746	23
38	13	49	35	84	53	45	11	13	8	14	11	1065	23
-	-	-	2	4	11	23	6	2	-	1	-	67	13
13	95	195	40	70	127	225	108	57	25	61	17	1478	23
31	10	15	19	318	31	69	28	72	-	81	10	1335	22
18	27	6	15	33	4	8	1	-	-	4	-	543	20
28	2	4	4	101	-	-	-	-	2	-	-	181	11
-	6	-	1	-	-	-	-	-	-	-	-	279	9
167	129	198	299	356	208	215	164	126	107	154	49	4118	23
1885	139	92	95	125	107	110	137	27	41	13	21	7036	23
137	114	172	294	70	63	141	157	26	31	39	1	4268	23
26	14	32	37	21	58	21	40	15	21	57	16	649	22
33	14	-	31	-	43	-	10	-	-	-	31	767	14
-	-	-	-	-	-	-	-	-	-	-	-	16	4
-	-	-	-	-	-	-	-	-	-	-	-	222	3
103	61	59	71	86	63	72	34	26	27	44	22	1617	21
96	77	98	73	76	37	121	60	21	36	29	29	2115	23
-	-	-	-	1	-	1	-	-	-	-	-	4	4
9	-	12	2	1	6	2	2	2	1	2	3	281	22
-	-	-	17	-	-	-	-	4	2	6	-	29	4
-	-	-	1	-	-	-	-	-	-	-	-	12	5
113	84	114	132	67	82	82	84	28	47	49	22	1727	23
2	3	6	-	45	8	7	2	16	10	14	15	964	22
-	-	-	-	-	-	-	-	-	-	-	-	2	2
-	-	-	-	2	-	-	-	-	-	-	-	2	1
3	2	12	17	18	5	-	-	45	1	39	-	222	12
-	-	-	1	-	-	-	-	-	-	-	-	3	2
2	-	2	-	2	1	-	-	-	-	-	-	47	15
65	12	124	25	69	25	6	16	1	30	15	11	1624	23
48	28	105	49	67	66	159	39	37	12	50	10	1268	23
4	12	3	5	5	-	1	3	1	-	-	-	202	19
-	-	-	2	-	-	-	-	-	-	-	-	3	2
4	-	5	5	2	-	-	1	-	-	-	-	81	12
-	1	-	2	2	-	-	-	-	-	-	-	15	6
57	63	83	70	149	107	96	121	8	25	11	17	2315	23
190	106	105	232	528	423	263	242	44	192	62	61	6645	23
88	35	41	145	149	52	40	28	13	22	32	57	3015	23
89	88	72	118	159	139	107	51	15	44	25	24	1833	23
10	10	36	18	12	16	35	12	-	8	2	17	399	22
-	-	-	-	-	-	-	-	-	-	-	-	13	3
176	34	87	50	31	4	4	45	-	12	-	-	884	20
383	160	306	375	550	495	706	357	87	404	173	77	9829	23
46	24	81	58	80	34	38	15	13	34	32	15	1006	23
2	-	3	2	3	-	1	-	-	-	-	-	34	12

Table 1 (cont'd). Statewide May Count, May 8, 1993

	Garr.	Allc.	Wash.	Fred.	Carr.	Mont.	Hova.	Balt.	Harf.	Cecil.	Pr.G.
Yellow-throated Vireo	-	4	6	13	23	10	10	14	25	8	23
Warbling Vireo	-	3	28	36	21	17	10	10	27	3	-
Philadelphia Vireo	-	-	-	-	-	-	-	-	1	-	-
Red-eyed Vireo	54	89	69	145	81	132	256	254	156	65	210
Blue-winged Warbler	-	6	14	19	15	-	14	4	11	7	4
Lawrence's Warbler	-	-	-	-	-	-	-	-	-	-	-
Golden-winged Warbler	26	20	1	-	-	-	-	-	-	-	-
Tennessee Warbler	2	1	-	17	-	-	2	1	1	-	5
Nashville Warbler	3	-	1	1	-	-	-	1	1	-	1
Northern Parula	16	5	6	44	32	80	102	64	79	15	71
Yellow Warbler	97	46	46	58	56	27	128	91	169	11	15
Chestnut-sided Warbler	61	7	1	3	2	2	7	6	4	1	1
Magnolia Warbler	10	6	1	5	1	11	10	10	3	-	1
Cape May Warbler	3	-	1	28	-	1	9	1	1	-	9
Blk.-thrted.Blue Warble	21	2	2	15	7	4	47	33	13	3	7
Yel.-rump.(Myrtle)Warbler	33	10	28	119	17	69	236	149	169	15	147
Blk.-thrted.Green Warbler	41	3	3	20	5	6	11	19	12	5	9
Blackburnian Warbler	10	1	1	1	-	-	-	2	4	-	-
Yellow-throated Warbler	-	6	5	3	2	15	-	-	12	-	1
Pine Warbler	3	12	9	-	4	6	4	5	2	7	6
Prairie Warbler	-	22	13	6	18	19	20	14	34	10	58
Palm Warbler	-	-	-	1	-	-	2	-	-	-	1
Bay-breasted Warbler	-	1	1	6	1	-	4	-	10	2	-
Blackpoll Warbler	1	-	-	88	5	42	76	40	25	4	48
Cerulean Warbler	2	16	6	5	17	-	-	4	7	4	3
Black-and-white Warbler	28	5	2	13	19	5	60	40	27	13	12
American Redstart	72	53	15	38	25	13	76	87	83	35	64
Prothonotary Warbler	-	4	8	18	-	19	1	-	9	-	4
Worm-eating Warbler	4	17	7	22	11	1	10	6	11	16	1
Ovenbird	58	28	22	34	31	16	143	96	83	59	120
Northern Waterthrush	12	1	2	17	1	2	7	1	10	1	2
Louisiana Waterthrush	9	12	10	20	12	9	15	10	14	5	4
Kentucky Warbler	1	1	4	17	19	4	29	14	20	12	6
Mourning Warbler	-	-	-	-	-	1	-	-	-	-	-
Common Yellowthroat	199	60	56	80	103	55	216	141	281	56	135
Hooded Warbler	13	14	-	9	3	-	26	7	-	2	47
Wilson's Warbler	1	1	-	1	-	-	2	3	1	-	-
Canada Warbler	1	2	-	1	-	-	8	9	2	2	-
Yellow-breasted Chat	-	17	9	12	8	19	32	21	42	14	38
Summer Tanager	-	-	-	-	-	-	-	1	-	-	2
Scarlet Tanager	61	42	34	55	39	52	107	53	71	23	61
Northern Cardinal	61	127	244	285	312	193	548	301	436	62	315
Rose-breasted Grosbeak	88	28	2	21	3	3	20	24	11	4	10
Blue Grosbeak	-	1	6	1	2	-	7	4	7	-	17
Indigo Bunting	47	122	60	215	48	75	135	53	79	22	89
Rufous-sided Towhee	160	136	69	78	59	50	129	129	87	56	113
Clay-colored Sparrow	-	-	-	-	-	-	-	-	-	-	-
Chipping Sparrow	241	115	101	71	112	14	89	47	171	4	91
Field Sparrow	72	29	61	63	60	27	73	9	52	21	53
Vesper Sparrow	7	-	2	4	2	-	2	-	-	2	-
Savannah Sparrow	14	2	-	6	17	1	44	1	9	12	1
Grasshopper Sparrow	8	5	7	24	33	-	17	2	20	-	15
Henslow's Sparrow	1	-	-	-	-	-	-	-	-	-	-
Sharp-tailed Sparrow	-	-	-	-	-	-	-	-	-	-	-
Seaside Sparrow	-	-	-	-	-	-	-	-	-	-	-
Song Sparrow	206	71	76	105	129	34	134	136	69	24	60
Lincoln's Sparrow	-	-	-	1	-	-	4	-	-	-	-
Swamp Sparrow	50	2	4	4	2	1	13	24	5	-	3
White-throated Sparrow	8	14	13	16	29	19	31	40	37	17	11
White-crowned Sparrow	7	5	1	7	5	-	14	1	8	3	-

Table 1 (cont'd). Statewide May Count, May 8, 1993

Anne	Calv.	Chas.	St.M.	Kent	QuAn.	Caro.	Talb.	Dorc.	Wico.	Some.	Worc.	Total#	Co.s
3	1	21	5	8	8	8	2	2	5	1	8	208	22
-	-	1	3	1	-	1	-	-	-	-	-	161	13
-	1	-	-	-	-	-	-	-	-	-	-	2	2
91	50	270	116	100	63	106	77	12	26	29	12	2463	23
1	-	-	1	1	-	-	1	-	-	-	1	99	14
-	-	-	-	-	-	-	-	-	1	-	-	1	1
-	-	-	-	-	1	-	-	-	-	-	-	48	4
1	1	1	-	1	-	-	2	-	-	-	-	33	10
85	19	123	52	25	20	19	41	12	13	9	8	10	8
-	-	-	-	-	-	-	-	-	-	-	-	10	8
85	19	123	52	25	20	19	41	12	13	9	8	940	23
40	4	38	12	102	13	8	12	12	7	8	5	1005	23
1	-	2	2	3	1	-	2	-	-	-	-	105	17
4	2	2	1	6	-	-	-	-	1	-	-	74	16
-	20	8	2	2	-	1	2	-	1	-	-	89	15
17	3	5	21	1	3	1	13	6	1	-	1	226	22
123	4	44	21	52	50	43	114	14	14	16	4	1491	23
11	-	6	3	7	3	1	-	-	-	-	2	167	18
1	4	-	-	4	-	-	-	-	-	-	-	28	9
1	10	13	1	2	-	-	2	5	2	2	13	95	17
7	2	40	40	37	5	7	25	29	15	40	13	318	22
19	11	70	54	9	3	49	7	3	24	18	12	493	22
-	-	-	-	-	-	-	-	-	-	-	-	4	3
-	-	-	1	1	-	-	-	-	-	-	-	27	9
33	7	34	9	10	2	5	39	2	8	2	-	480	20
1	-	-	-	3	-	-	-	-	-	-	-	68	11
43	9	30	34	29	25	20	11	11	12	12	6	466	23
35	11	47	25	16	7	4	4	2	10	2	6	730	23
9	-	18	-	4	9	30	11	1	18	6	19	188	17
-	1	2	4	3	1	3	9	16	14	4	-	163	21
39	31	71	78	59	34	25	21	10	53	42	24	1177	23
3	-	9	1	4	-	2	3	1	1	-	-	80	19
2	1	11	9	1	3	2	5	-	8	1	5	168	22
9	3	36	11	15	6	12	13	-	4	1	-	237	21
-	-	-	-	-	-	-	-	-	-	-	-	1	1
102	18	122	130	138	102	56	59	47	44	35	25	2260	23
16	9	45	27	-	-	-	-	-	5	1	-	224	14
2	-	-	-	1	-	-	-	-	-	-	-	12	8
1	-	-	-	-	-	-	-	1	-	-	-	27	9
9	5	59	19	26	4	83	17	11	11	10	8	474	22
3	8	1	21	1	2	12	7	12	3	4	-	77	13
26	6	68	16	33	23	25	22	2	14	2	8	843	23
205	155	138	191	197	136	189	122	42	48	58	31	4396	23
5	8	7	4	1	-	1	4	-	-	-	1	245	19
6	17	14	23	12	20	47	24	18	3	13	1	243	20
22	28	140	47	48	55	81	34	9	16	11	2	1438	23
60	27	65	56	79	45	55	23	16	25	15	32	1564	23
-	-	-	1	-	-	-	-	-	-	-	-	1	1
85	57	82	53	125	54	127	73	24	26	43	8	1813	23
34	12	64	53	35	38	33	62	4	10	14	7	886	23
-	-	-	-	1	2	11	-	-	-	-	-	33	9
2	-	-	3	3	10	7	7	5	1	3	-	148	19
1	1	30	41	35	16	23	21	2	9	2	-	312	20
-	-	-	-	-	-	-	-	-	-	-	-	1	1
-	-	-	-	-	-	-	-	14	-	3	-	17	2
-	1	-	4	-	-	-	-	60	-	50	-	115	4
47	25	18	47	34	39	32	11	12	5	15	12	1341	23
-	-	-	-	-	-	-	-	-	-	-	-	5	2
2	2	5	6	5	2	-	1	-	-	-	-	131	17
23	7	16	20	12	14	21	8	1	5	5	5	372	23
-	-	-	-	2	1	-	1	-	-	-	-	55	12

Table 1 (cont'd). Statewide May Count, May 8, 1993

	Garr.	Alle.	Wash.	Fred.	Carr.	Mont.	Hova.	Balt.	Harf.	Cecil.	Pr.G.
Dark-eyed Junco	7	-	-	1	2	-	-	4	-	-	-
Bobolink	127	10	-	39	167	5	240	84	322	19	10
Red-winged Blackbird	351	136	274	471	640	62	630	735	690	83	463
Eastern Meadowlark	44	37	54	51	39	2	14	10	40	14	12
Rusty Blackbird	-	-	-	-	-	-	-	-	-	-	1
Boat-tailed Grackle	-	-	-	-	-	-	-	-	-	-	-
Common Grackle	300	184	794	859	925	182	551	425	895	137	320
Brown-headed Cowbird	125	68	58	118	138	64	179	145	204	50	111
Orchard Oriole	2	14	11	9	21	16	31	19	81	26	20
N.(Baltimore)Oriole	58	47	127	106	77	40	66	89	79	25	13
Purple Finch	18	-	2	-	-	-	-	-	3	-	-
House Finch	138	76	188	135	207	97	402	331	258	22	199
Pine Siskin	11	-	-	-	-	-	-	-	-	-	-
American Goldfinch	85	89	209	305	193	136	405	357	250	31	207
Evening Grosbeak	-	-	-	-	-	-	-	-	-	-	-
House Sparrow	-	87	259	176	253	62	135	130	189	9	186
Total Individuals	6548	4244	8078	9611	9363	4727	13321	11794	13030	2018	8703
Total Species	139	137	137	146	125	124	138	164	162	115	148
# Observers	22	15	21	23	12	25	50	61	23	5	35
# Parties	15	3	11	10	8	15	21	20	14	3	26
Party-miles Foot	44.5	29.0	32.0	49.0	20.0	55.0	118.5	87.0	63.0	22.5	78.0
Party-miles Car	463.5	195.0	448.0	559.0	288.0	64.2	205.0	97.0	406.5	52.0	120.0
Party-miles Boat	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
Party-miles Other	6.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	15.0
Total Party-miles	516.0	224.0	497.0	608.0	308.0	119.2	323.5	184.0	481.5	74.5	221.0
Party-hours Foot	62.0	24.5	30.8	63.0	26.0	65.8	141.0	120.5	63.0	25.0	121.0
Party-hours Car	49.0	30.0	37.8	36.0	25.0	4.0	10.3	12.0	48.8	5.0	12.0
Party-hours Boat	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Party-hours Other	1.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	8.5
Total Party-hours	114.0	54.5	72.6	99.0	51.0	69.8	151.3	132.5	120.3	30.0	145.5
Hours Feeder Watching	9	1	0	10	3	0	6	15	26.5	0	2.5
#Feeder Watchers	11	1	0	4	1	0	3	6	5	0	2
#Feeding Stations	8	1	0	10	1	0	3	2	5	0	2
Hours Stationary	3.25	0	0	0	0	0	0	0	0	0	0
# Parties Stationary	2	0	0	0	0	0	0	0	0	0	0
#Observers Stationary	4	0	0	0	0	0	0	0	0	0	0
Hours Owling	5.5	3.0	2.5	7.0	1.0	2.8	0.8	2.8	18.5	3.0	1.0
Miles Owling	10.2	15.0	7.5	31.0	1.0	9.5	0.0	2.3	8.5	38.0	1.0
#Parties Owling	4	1	3	4	2	1	2	3	8	2	2
#Observers Owling	6	2	4	10	2	6	2	3	14	3	4
Time Start	0500	0500	0430	0000	0520	0250	0500	0400	0000	0300	0500
Time Stop	2300	2000	2045	2030	2130	1600	2100	2100	2030	2030	2020
Temperature: Pre-dawn	-	46	44	50	-	45	-	50	50	52	52
Dawn	40	48	55	45	46	50	50	55	50	56	60
AM	50	60	65	55	-	60	-	70	65	64	70
Noon	72	70	75	65	-	70	-	80	72	76	75
PM	80	80	78	70	-	78	80	75	75	76	75
Sunset	63	75	70	65	-	-	-	65	70	68	68
Night	-	-	-	-	-	-	-	65	-	64	-
Wind: Pre-dawn	-	-	-	-	-	-	-	0	0	0	0
Dawn	0	0	0	W10	-	0	-	0	0	0	0
AM	W6	0	2	-	-	S5	-	0	E10	0	0
Noon	SW5	SE10	3	-	-	S5	-	0	E10	SE10	0
PM	W5	SE10	5	-	-	S5	-	S5	E10	SE10	0
Sunset	5	SE10	2	-	-	S5	-	S5	E5	SE10	0
Night	-	0	-	-	-	-	-	-	-	0	0
% Clouds: Pre-dawn	-	0	-	0	-	0	-	0	0	0	0
Dawn	15	0	0	0	-	0	-	0	0	0	0
AM	5	10	0	10	-	0	-	0	0	0	0
Noon	10	10	5	10	-	0	-	0	0	10	5
PM	10	30	100	10	-	0	-	0	0	10	20
Sunset	0	20	100	0	-	0	-	0	0	10	30
Night	-	-	-	0	-	0	-	0	0	10	-

Precipitation: None in any part of the state.

Table 1 (cont'd). Statewide May Count, May 8, 1993

	Ann.	Calv.	Chas.	St.M.	Kent	QuAn.	Caro.	Talb.	Dorr.	Wico.	Some.	Worr.	Total#	Co.s
1	-	-	-	1	2	-	-	-	-	-	-	-	18	7
122	-	-	176	192	80	8	751	4	13	-	-	-	2369	18
438	60	383	562	1175	834	687	449	531	161	359	83	10257	23	23
15	3	14	29	41	25	26	43	32	4	9	8	566	23	23
-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
-	-	-	-	-	-	-	-	-	9	81	54	65	209	4
506	310	442	840	1512	840	1239	1008	505	333	231	166	13504	23	23
126	51	77	142	158	123	173	72	67	62	30	45	2376	23	23
17	6	16	6	69	21	129	36	46	10	28	3	637	23	23
19	3	11	2	25	25	39	11	-	1	1	1	865	22	22
-	7	-	1	-	-	-	2	-	-	-	-	-	33	6
271	152	103	89	190	139	204	69	9	24	23	20	3346	23	23
-	-	-	-	-	-	-	-	-	-	-	-	-	11	1
179	114	105	112	186	92	162	70	27	28	22	24	3388	23	23
-	-	-	4	-	-	-	-	-	-	-	-	-	4	1
122	87	72	122	70	116	512	37	19	20	55	9	2727	22	22
8951	3688	7180	7783	13279	7199	9833	7045	4932	3061	5801	3847	173536		
147	126	139	168	168	134	130	135	149	103	141	122	248		
15	14	16	17	11	17	22	11	7	11	10	12	455		
12	11	9	9	5	9	13	9	4	6	4	6	243		
30.3	33.3	35.0	45.0	16.0	26.0	11.5	26.9	5.0	?	5.0	13.0	845.4		
114.5	161.0	224.0	234.0	260.0	507.0	347.0	208.6	254.0	?	98.0	4.0	5310.3		
0.0	1.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	?	0.0	0.0	17		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	?	0.0	0.0	71.25		
152.8	195.3	259.0	279.0	276.0	535.0	362.5	248.8	259.0	0.0	103.0	17.0	6244		
55.5	45.5	29.0	49.5	16.0	27.5	28.0	35.1	20.5	11.5	6.0	14.8	1081.4		
12.3	14.3	12.8	18.8	30.5	45.5	36.0	11.1	12.0	14.5	10.5	10.5	498.35		
0.0	1.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	0.0	0.0	13		
2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	17.0	0.0	42.25		
69.8	60.8	41.8	68.3	46.5	75.0	68.0	47.5	32.5	26.0	33.5	25.3	1635		
24	46.5	1	1.5	8	1.5	1	5	0	0	5	2	168.5		
6	9	1	4	1	3	3	1	0	0	1	2	64		
5	9	1	6	1	4	3	1	0	0	1	1	64		
7.5	4.5	0	0	0	0.5	11	1	0	2	0	0	29.75		
1	2	0	0	0	1	4	1	0	1	0	0	12		
3	2	0	0	0	2	6	1	0	1	0	0	19		
9.3	4.5	7.5	6.8	4.5	3.0	5.0	3.1	5.0	0.0	3.5	0.0	0		
5.0	16.0	88.5	61.0	134.0	1.0	2.0	47.1	45.0	0.0	0.5	0.0	0		
3	3	6	5	2	2	3	1	1	0	3	0	0		
3	3	11	5	5	2	3	1	2	0	8	0	0		
0200	0330	0400	0010	0230	0430	0345	0300	0000	?	0600	0700			
2030	2300	2200	1930	1900	2100	2300	1900	2100	?	2400	2000			
50	50	-	58	50	42	-	-	-	-	-	-	-		
60	55	47	55	50	55	-	59	50	-	-	-	46		
68	62	-	65	60	62	-	69	-	-	-	-	65		
75	71	-	71	70	74	-	75	-	-	-	-	76		
80	70	74	70	75	77	-	71	85	-	-	-	-		
70	63	-	63	70	73	-	65	-	-	-	-	50		
-	57	-	57	65	-	-	-	-	-	-	-	-		
-	0	-	-	0	SW5	-	-	-	-	-	-	-		
SE10	0	-	E2	0	SW5	-	SW2	NE5	-	0	0	-		
-	SE5	-	E5	SW5	SW5	-	SW2	NE5	-	0	0	-		
SE15	SE5	-	E5	SW10	SW5	-	SW2	NE5	-	0	0	-		
-	SE10	-	SE10	0	SW5	-	S5	SW5	-	0	0	-		
-	SE10	-	0	0	SW5	-	S5	SW15	-	0	FOG	-		
-	-	-	-	-	-	-	-	-	-	-	-	-		
0	5	-	5	0	0	-	-	-	-	-	-	-		
0	5	-	5	0	0	-	1	0	-	-	-	-		
0	5	-	5	0	0	-	1	0	-	-	-	-		
0	5	-	5	10	10	-	1	0	-	-	-	-		
0	5	-	5	25	10	-	1	15	-	-	-	-		
0	5	-	5	0	10	-	1	125	-	-	-	-		
0	5	-	-	0	-	-	-	-	-	-	-	-		

ST. MARY'S COUNTY: Anne Bishop, Bob Boxwell, Jim Boxwell, Jeffrey Buler, Bill Cheeseman, Patty Craig, Joan Grimes, John Horton, Teresa Jackman, Lisa Jones, Matt Klope, Doug Lister, Bruce Lockard, Kyle Rambo, Ronald Runkles, Ernest Willoughby (compiler: 6 Hartman Drive, Lexington Park MD 20653), Shirley Wood. [Southern Maryland Audubon Society]

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QUEEN ANNE'S COUNTY: Patrick Burton, Robert Folker, Jeffrey Franklin, Michael Guilfoyle, Mark Grande, Gil Hoffman, Dana & Roland Limpert, Wanda Manning, Joe McCann, Danny Poet, Wilbur Rittenhouse, Brit & Michael Slattery, Nancy Stewart, Glenn Therres (compiler: 642 Kimberly Way, Stevensville MD 21666), Elizabeth Zucker. [Wye Oak Audubon Society & Wildfowl Trust of North America]

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TALBOT COUNTY: Wayne Bell, Les Coble (compiler: 46 High Banks Dr., Easton MD 21601), Steve Ford, Greg Gough, Ottavio Janni, Don Meritt, Carolyn Mills, Bill Novak, Myra Novak, John O'Brien, Michael O'Brien, Paul O'Brien, Paul Pisano, Jan Reese, Loretta Stover, Jean Synder, Len Warriner.

DORCHESTER COUNTY: Terry Allen, George Armistead, Henry T. Armistead (compiler: 523 E. Durham Street, Philadelphia PA 19119), Jan Reese, Levin Willey.

WICOMICO COUNTY: Randi Anderson, Polly Batchelder, Donald & Carol Broderick, Linda Cashman, Sam Dyke, Jean Hubeck, Steve Huebner, Ellen Lawler, Mary Ogle, Betty Pitney. [Charles Vaughn (non-participating compiler: 1306 Frederick Avenue, Salisbury MD 21801)].

SOMERSET COUNTY: Polly Batchelder, Laura French, Mark Hoffman, Jean Hubeck, John O'Brien, Michael O'Brien, Paul O'Brien, Paul Pisano. [Charles Vaughn: non-participating compiler: see Wicomico County].

WORCESTER COUNTY: Grace Bottitta, Bill Hulslander, Mary Humphreys, Betty Pitney, Paul Pisaon, John O'Brien, Michael O'Brien, Paul O'Brien, Jeanne & Dick Woods [Charles Vaughn: non-participating compiler: see Wicomico County].

I would like to thank all of you for your support over the years. I no longer have the time to put into examining Maryland birders' unique contributions to the May Count. Next year there will be a new State Coordinator.

P.O. Box 71, North Beach, MD 20714

MINUTES OF THE ANNUAL MEETING MARYLAND ORNITHOLOGICAL SOCIETY, INC.

June 5, 1993

Before the business meeting proper began, there were the following announcements:

The silent auction made about \$600 as did the Raffle.

The First Photo Contest brought in \$92 with 19 prints and 27 slides entered. Each category was divided into domestic and foreign. The winners are:

Print Category:

- Domestic - First place, Pamela Stephen, hawk
Second place, Judy Sivert, shorebird
Third place, Ellen Lawlor, swan
Honorable mention, Ellen Lawlor, night-heron
- Foreign - First place, Pamela Stephen, Ornate Hawk-Eagle
Second place, George Jett, Little Blue Heron
Third place, Ruth Conrad, Blue-footed Booby
Honorable mention, George Jett, Rufous-tailed Hummingbird
- Best of Show, Pamela Stephen, Ornate Hawk-Eagle

Slide Category:

- Domestic - First place, Jim Stasz, Spotted Sandpiper
Second place, Pamela Stephen, Red-shouldered Hawk
Third place, George Van Belsen, goldfinch
Honorable mention, George Van Belsen, Bewick's Wren
- Foreign - First place, Gwen Brewer, Magellanic Penguin
Second place, Pamela Stephen, macaw
Third place, Ellen Lawlor, Ruffed Grouse
Honorable mention, Gwen Brewer, Lapland Longspur
- Best of show, Jim Stasz, Spotted Sandpiper

People's Choice and Overall Winner, Pamela Stephen, Ornate Hawk-Eagle

The Annual Membership Business Meeting was called to order at Frostburg State University by Bill Newman, President. The Minutes of the 1992 Annual Meeting were approved after correcting the spelling of Paul O'Brien's name.

Treasurer Larry Fry thanked Emily Joyce for the excellent shape the books were in when he took over. His detailed report appears elsewhere in this issue. Abstracts of Committee Reports follow.

Conference Committee. On May 21-23, 1994 the Annual Conference and Membership Meeting will be at Sandy Cove Conference Center in Cecil County. This is on the water, near Elk Neck State Park, Turkey Point, and it will be possible to walk to some

field trip areas. The speaker will be from Tri-State Bird Rescue. Nearby habitats include woodland, grassland, and marsh. There are two covered bridges for interesting photos. Boat trips are possible and Conowingo Dam is not far away. The 1995 50th Anniversary Conference will be held at Mount St. Marys College in Emmitsburg, Md., and the 1996 Conference could be either in Southern Maryland or in Baltimore or Ocean City. All the many people who worked on this year's Conference were thanked as they did a splendid job.

Budget Committee. The Annual Budget was passed by the Board before the end of the fiscal year. Copies were available for members.

Conservation Committee. The most important thing MOS does is to be a voice for conservation. A quick overview of items that have come up for discussion and action this past year follows:

While the results of the International Conservation Summit were not completely to the Conservation Chairman's liking, the Wild Bird Protection Act, backed by the U.S. was passed. This is an effort to stop the trade in wild caught species for pets.

Nationally, the Endangered Species Act is up for renewal. We need to be vocal in our support of this Act since it has been instrumental in halting inappropriate development.

Locally, the Fish and Wildlife Service is making changes in its management practices. There are changes at the Chincoteague National Wildlife Refuge and in beach replenishment. Project Open Space did get some badly needed funds. An experimental season will be allowed this fall on the Western Shore Canada Geese, but the flocks that are causing the problems will not be harvested.

Trail reports to the North American Bluebird Society are due. This effort has been well rewarded with many more bluebirds reported in recent years. DNR rules are under review. In the past all decisions have been made with game birds and animals in mind. Nongame management is now being looked at. Black Marsh is an on-going problem that the Baltimore Chapter is monitoring closely. The Patuxent Wildlife Visitor Center is about finished, but no money has been allocated to finish the exhibits. MOS brochures are available; all chapters need to update information for the enclosure.

President Bill Newman thanked Rich Dolesh for his efforts in keeping us up to date on conservation issues.

Education Committee. The new chair, Linda Bystrak, had called a meeting for Saturday afternoon, but because birding trips were late returning, only four chapters sent representatives. Each chapter is to have a member on the committee. Linda passed out a questionnaire to be filled out by each chapter and returned to her before the September Board Meeting.

Gifts. No new gifts or bequests have been received this year and no requests have been made for funds.

Investment. A new strategy is being followed as outlined at the March Board Meeting.

Long Range Planning. The Committee is preparing a questionnaire to be sent to the membership for ideas for the 50th Anniversary. This will be in The Yellowthroat to be filled out and returned with the recommendations to be presented at the 1994 Annual Meeting.

Nominating. Officers nominated for 1993-94 were: President, William Newman, Baltimore Chapter; Vice-President, Allan Haury, Anne Arundel Chapter; Secretary, Sybil Williams, Montgomery Chapter, and Treasurer, Larry Fry, Harford Chapter. There being no nominations from the floor, the slate was elected by acclamation.

Research. This year marked the 5th Annual Paper session at the Annual Conference. Two research grants have been made, one of \$1000 for Neotropical Migrant Research and the other of \$2000 for a study of autumn migration of Northern Saw-whet Owls.

Sanctuary. Irish Grove has been enlarged and tum Suden is being given to the Harford County School System this month. There were work days at Irish Grove, Carey Run, and Mill Creek. Many hardworking volunteers made these efforts successful. In April the workers at Irish Grove started cutting a trail to allow access to the new area. This ran into some problems with wet terrain, which will be solved in the future.

May Count. County coordinators need to get their reports in, as at this time there are more reports from Kansas than from Maryland.

Executive Secretary's Report. A reminder to call Will Tress, the source for stationery, checklists, and yellow field lists.

President's Report. Bill Newman thanked members for their hard work and took credit for shortening the Board Meetings. MOS is financially solvent and he is looking forward to next year's challenges.

Sibyl Williams, Secretary

ANNUAL REPORTS OF COMMITTEE CHAIRPERSONS

CAVITY-NESTER

Even though new record highs were recorded, last year's MOST (MOS Trails) program would have been even more productive if the weather had been more favorable. The cold, wet spring took a heavy toll during early nestings. In 1992 6,390 Eastern Bluebirds were fledged from 4,025 nesting boxes monitored by 324 individuals. This compares with 5,040 fledged from 2,521 boxes monitored by 222 participants in 1991.

Mark Wallace of the Howard County Chapter reported with 1,365 bluebirds fledged from 925 boxes monitored in that county. Mark monitored 375 nest sites himself. A pair of Tree Swallows fledged two clutches in the same box, the first time this has been recorded in the county. In one of the parks, bluebirds used pine needles for nesting material, which is not commonly done in this area. Also fledged on the Howard County trails were 100 Carolina Chickadees, 19 Tufted Titmice, 567 House Wrens, 23 Carolina Wrens, 68 Tree Swallows, and 142 Purple Martins.

A report from John Zyla for Prince George's County showed that 624 Eastern Bluebirds, 124 Carolina Chickadees, 31 Tufted Titmice, 99 House Wrens, 26 Carolina Wrens, and 5 Prothonotary Warblers fledged from 562 nesting boxes. The warblers

fledged at the Dueling Creek National area were a surprise; John has plans to install a series of trails in habitats preferred by the warblers. If such trails are successful, the problem of parasitism by cowbirds would be eliminated because cowbirds could not enter the nest box.

A 100-mile trail in Somerset County, which takes four days to monitor, is operated by Robert Reynolds. From 5550 nest boxes, 1,408 bluebirds, 302 Tree Swallows, 21 Carolina Wrens, 117 Carolina Chickadees, 51 Tufted Titmice, and 14 House Wrens were fledged.

In Caroline County, Inez Glime and Ross Robinson monitored 101 boxes that fledged 262 bluebirds, 25 Carolina Wrens, 255 Tufted Titmice, 5 Tree Swallows, and 6 House Wrens. Charles and Peg Weiss operate a "Jogging Bluebird Trail" of 36 boxes in Charles County that produced 64 bluebirds. In nearby Calvert County, Andy Brown reported that 75 households monitored 232 boxes that fledged 6055 bluebirds. In Frederick County, James Vlassopoulos fledged 84 bluebirds from his 38-box bluebird trail and 30 American Kestrels from 11 kestrel boxes.

The above, of course, are just some of the reports received; however, there are still some counties from which no reports are submitted.

Delos C. Dupree, Chairman

LONG RANGE PLANNING COMMITTEE

The Long Range Planning Committee worked with both the Gifts Committee and the Sanctuary Committee. One of our members participated in a planning meeting in March that addressed the structure and duties of the Education Committee.

The Committee prepared a questionnaire to determine what the membership considers the most important aspects of MOS and where future time, money, and efforts should be directed. This survey will be inserted in a future issue of *The Maryland Yellowthroat*. Results will be tabulated and a summary completed in anticipation of the Society's fiftieth year.

I thank Committee member Patricia Wood for her considerable time and effort in helping prepare the survey. A special word of thanks is due to Janet Millenson whose professional skills enhanced our efforts.

Joanne K. Solem, Chairperson

NOMINATING

The Nominating Committee is pleased to nominate Allan Haury for President, Robert Rineer as Vice-President, Larry Fry as Treasurer, and Sybil Williams as Secretary for 1994-95.

The Committee also has examined the positions and duties of MOS officers and has some recommendations that might improve the operations of MOS and make it easier to find individuals willing to serve the Society. The Committee recommends that a Second Vice-President position be created. Not only would this position provide yet another potential candidate for the Presidency, it would also provide assistance to the

President in leading MOS. The programs and resources of MOS have grown significantly over the past decade. In fact, MOS used to have two Vice-Presidents. The Committee also recommends that the duties of the Vice-Presidents be better defined in the Manual of the Society. Currently few duties are specifically assigned to the Vice-President. One possibility would be to have one Vice-President assist the President in the programs of MOS, to include the conference, the sanctuary program, research, and scholarships. The other position could focus on the external representation of MOS to the state government, to other conservation organizations, and in other public forums. In fact, one of our recent Vice-Presidents tended to focus on these external duties. This was beneficial to the Society.

To implement this recommendation requires a simple amendment to Article IV, Section 1 of the Bylaws, needing approval of the Board and the membership. It would also require a revision to the Manual of Operations, needing only the approval of the Board. The Chairman of the Nominating Committee is prepared to make a motion to modify the Bylaws.

The second observation is that the duties of the Treasurer may have grown beyond those described in the Manual of Operations, particularly in regard to dues and memberships. The office seems to be carrying a disproportionate burden of the work of the Society. The growth in duties runs the risk in the future of diverting the attention of the Treasurer from more important responsibilities. We suggest that the President look into this situation and reassign duties or provide assistance to the Treasurer in carrying out the current duties.

Gary Nelson, Chairman

PUBLICATIONS

Bob Ringler prepared a schedule for bringing publication of Maryland Birdlife up to date by the time of our 50th Anniversary two years from now. So far we are right on target. The June 1991 issue was delivered to our Howard County mailing crew this week. The galley proof for the September 1991 issue is now being proofread by the printer and should be mailed to the members in June. The December 1991 issue is scheduled to be in the mail in July, and the March 1992 issue in September.

The completely revised third edition of the Field List of the Birds of Maryland, prepared by Jim Stasz, Bob Ringler, and Marshall Iliff, is in draft and is expected to be published this fall.

The Breeding Bird Atlas is currently being edited by the University of Pittsburgh Press, who published the Pennsylvania atlas in 1992 and are also working on the West Virginia atlas. We anticipate that our atlas will be published in 1994.

Chandler S. Robbins, Chairperson

MARYLAND/DC RECORDS COMMITTEE

The Maryland/DC Records Committee's annual meeting was held 10 April 1993 in Rockville, Maryland (hosted by member Paul O'Brien). The following were present: committee members Robert Hilton, Willem Maane, Harvey Mudd, Paul O'Brien, Bruce

Peterjohn, Bob Ringler, Claudia Wilds (Chair), and secretary Erika Wilson. Chan Robbins and Hank Kaestner sent word that they could not attend.

SECRETARY'S REPORT:

1. Since the last annual meeting six packages were sent out. Eight packages were tabulated, with final decisions reached on forty records. Forty new records were circulated during the 1992 calendar year. The committee's acceptance rate has increased to 63% on 232 decisions, with the recent rate running even higher, due to better documentation by observers.

2. Various printouts of the MDDCRC databases were circulated and discussed. Members can request printouts any time from the secretary.

3. The committee's budget for the coming year will be \$240.

4. Outside correspondence during the year covered—a) a request for information about the Roseate Spoonbill record; b) questions about policy to the British committee; and c) requests for outside opinions.

CHAIR'S REPORT:

Claudia Wilds summarized the current status of the Yellow-legged Gull records. The AOU has accepted Yellow-legged Gull for its next Check-list based on the Canadian specimen plus the DC and Maryland records (the Newfoundland sighting was also included in the documentation). The ABA will take up the record, but not until 1994 because they have a backlog of records.

POLICY ISSUES:

1. Goals of the committee. Harvey Mudd's correspondence with several committees was mailed to members before the meeting. Discussion followed and Harvey Mudd agreed to summarize and distribute for comments the goals of this committee. These include a) placing the responsibility for substantiation of state records on a group, rather than one or two individuals; b) maintaining an historical record for future reference and analysis by interested persons; and c) improving reporting and identification skills of birders.

2. Outreach to field birders. Discussion about how the committee is perceived by state birders led to a renewed desire to have more written materials in MOS and local newsletters. Claudia Wilds and Robert Hilton agreed an article for Maryland Birdlife about documentation and how to provide good documentation. It would include examples of an accepted record and a failed record. This article would precede the projected annual reports (see below).

3. Guidelines for evaluating records. Harvey Mudd agreed to set out some guidelines, especially for new members, on evaluating records, including the issues of a) difficulty of identification; b) reviewer's experience with the species; c) observer's experience with the species; d) questions of bird's origin; and e) quality or submitted documentation.

4. Criteria for review. Bruce Peterjohn recommended a simplification of the criteria, which he feels are currently a barrier to getting documentation from observers. Bruce Peterjohn and Bob Ringler will revise the criteria for review and circulate for comments from the committee before publishing in *The Maryland Yellowthroat*.

5. Requests for information from observers. Erika Wilson noted that requests for information, especially plumage descriptions, have not helped to clarify records. Requests for field notes from additional observers, on the other hand, have been helpful. It was agreed that the form for requesting information be withdrawn, although

requests for objective information should still be directed to the secretary.

6. Single observer records of extreme rarities. Discussion resulted in no change in current policy. The committee will still accept such records.

PROCEDURES:

1. The one year trial of excluding one or two member's votes when they had documentation under review resulted in no change in decisions reached when compared to adding these votes to the tally. It was agreed to re-instate the policy of all members voting on all records.

2. Re-opening a decided record. Requests to re-open Ross' Goose (85-11) and Yellow-legged Gull (91-01) were discussed. Erika Wilson requested that an explanatory cover sheet be provided for each of these records. It was decided re-opened records merited the same circulation procedures as a new record, and that the old votes and comments should accompany these records.

3. Splitting records under review. a) King Eider (92-36) covered a long span of time, but since the record was unanimously accepted, no action is warranted. b) Red Phalarope (91-05) has notes for two consecutive days at the same general location, so a split is unwarranted; this record will be recirculated. c) Franklin's Gull (88-07) will be split into 88-07, consisting of written material only, and a new record consisting of the slide only. Both will be circulated soon, with 88-07 being a *second* circulation.

PUBLICATION OF COMMITTEE DECISIONS:

The desirability of reporting committee decisions in a fuller manner than the current listing in *The Maryland Yellowthroat* was discussed. Bob Ringler reported that he will now have time to prepare a series of reports for *Maryland Birdlife*, starting with the older records (decisions reached 1986-87). Dave Czaplak needs to be contacted again about writing up decisions reached in 1988-89. Paul O'Brien volunteered to summarize decisions reached in 1990-91 for upcoming issues of *Maryland Birdlife*, and Robert Hilton agreed to do the same for 1992 decisions.

FOURTH CIRCULATION RECORDS:

The committee discussed Harris's Sparrow (90-20); Red Phalarope (91-05), and Sandhill Crane (91-15). These will be circulated for the fourth and final round within the month. The committee agreed to Erika Wilson's request that Yellow-legged Gull (DC007), on its third circulation, also be included in this package, so that the sitting committee members, who have seen all of the copious outside opinions and identification articles, can vote without her having to mail all this extra material again.

ELECTION OF NEW MEMBERS AND OFFICERS:

The committee discussed new ways to approach nomination and election of members. Of particular concern was having nominees feel rejected when more nominees were received than positions available. It was suggested that a longer list of nominees be discussed, without seeking the consent of the nominees to serve. Nominations would still be open to all MOS members, and the secretary would continue to solicit nominations from chapters and the general membership. Members would vote by ranking all the candidates; the Chair would then approach the three top nominees, asking if they will serve. If a candidate declined, the next highest ranked nominee would be approached. It was voted to try this method for the 1994 election.

Gail MacKiernan, Robert Norton, and Michael O'Brien were elected to three-year

terms. Claudia Wilds was re-elected to chair the committee. Erika Wilson wishes to step down as secretary; she will continue until a replacement is found, up through September 1993.

The next MDDCRC meeting will be at the NMNH to study skins on Saturday, 26 February 1994; the next annual meeting will be Saturday, 26 March 1994.

Erika Wilson, MDDCRC Secretary

RESEARCH

President Bill Newman named Dave Brinker the new chairman of the Research Committee. After many years of service, Richard Kleen resigned from the committee. Sue Ricciardi, Sam Droege, and Rick Blom were named as new members of the Committee to replace resigning members and complete the Committee. Along with the chairman and John Barber, this brings Committee membership to 5.

The Research Committee organized the 5th consecutive annual afternoon paper session for the 1993 conference. Abstracts of the papers to be presented were included in the Conference program. Attendance at the Saturday afternoon paper sessions continues to grow; about 35 people attended this year.

Two research grants were awarded. Chandler Robbins received \$1,000 to support travel costs for MOS volunteers participating in Central American neotropical migrant research. Kevin Dodge and Dave Brinker received \$2,000 to provide subsistence support for two volunteers that conducted autumn Northern Saw-whet Owl migration research in Worcester County. Additional research proposals are being encouraged and actively sought through better advertising of MOS research grant availability.

David Brinker, Chairman

SCHOLARSHIP

There were five Ecology Scholarship winners for 1993. Helen Miller Scholarships went to Park Ranger David DeVault of the Anne Arundel County Dept. of Recreation and Parks, Barbara M. Cosner, 5th Grade Teacher at Fairview Outdoor Recreation Center, and Thomas M. Trafton, Science Teacher at Havre de Grace High School. The Orville Crowder Memorial Scholarship went to Park Ranger Sharon Alfinito of the Anne Arundel County Dept. of Recreation and Parks, and the Edith Bourne Memorial Scholarship went to Outdoor Educator Mrs. Carol Kehring of Harford Glen.

The Chandler S. Robbins Ornithology Scholarship was won by Mrs. Beatrice E. Nicholls, 4th Grade Teacher at Sussex Elementary School in Baltimore; and the Eleanor C. Robbins Ornithology Scholarship was won by Joanne L. Riddle, Wild Bird Educator at the Wild Bird Center.

Mildred Gebhard, Chairperson

**ANNUAL REPORT OF THE TREASURER
MARYLAND ORNITHOLOGICAL SOCIETY, INC.
May 1, 1992 through April 30, 1993**

Budget Item	Budget	Actual
OPERATING FUND		
Income:		
Dues	20,000	19,127.50
Transfer from		
Sanctuary Endowment	650	620.00
Investment Income	1,568	1,370.01
Publication Income	200	1,113.57
Mail Permit Contribution	75	37.50
Membership Pins	25	
Calendar Sales Tax		74.50
Publications Advertising	500	
Total Income	23,018	22,343.08
Expenses:		
Publications Committee		
MARYLAND BIRDLIFE		
Printing	7,500	2,188.61
Postage	1,000	397.78
Labels		48.33
Miscellaneous	400	
YELLOWTHROAT		
Printing	3,000	4,560.75
Postage	1,000	967.58
Labels		220.42
Miscellaneous	400	
Total Expenses	15,300	8,383.47
Administrative and Office:		
President's Expenses	500	28.65
Vice President's Expenses	100	
Secretary's Expenses	75	
Treasurer's Expenses	50	66.45
Executive Secretary	2,400	2,400.00
Postage	400	535.64
Bulk Mailing Permits	150	225.00
Membership List Database	900	461.06
Printing and Duplication	600	657.90
Office Supplies	750	19.73
Affiliations	175	225.00
Liability Insurance	600	(\$1,405 paid April 1992)
Grant—Harford Chapter		500.00
Calendar Sales Tax		73.85
Miscellaneous	500	177.84
Contingencies	200	
Total	7,400	5,371.12

Budget Item	Budget	Actual
Committee Related Expenses:		
Budget Committee	25	
Conservation Committee	100	14.79
Education Committee	100	
Library Committee	100	
Conference Committee	1,000	
Gifts Committee	100	26.90
Long Range Planning	50	
Nominating Committee	100	
Records Committee	240	140.64
Research Committee	1,000	
Winter Bird Atlas	100	116.07
Contingencies	<u>200</u>	
Total	3,115	<u>298.40</u>

Conference:

1992 Conference Income 17,784.49

Expenses 16,801.10

1993 Conference Expenses 982.13

1995 Conference Expenses 3,000.00

OPERATING FUND — OTHER FUNDS

Maryland Atlas:

Begin	2,961.16
Expenses	<u>227.89</u>
Balance	2,733.27

Atlas—Chesapeake Bay Trust:

Begin	6,929.62
Expenses	<u>651.18</u>
Balance	6,278.44

Rain Forest Challenge

Matching Funds	1,793.31
Balance	<u>1,000.00</u>
	2,979.26

Index MARYLAND BIRDLIFE:

Transfer from unassigned	3,000.00
Expenses	<u>1,365.00</u>
Balance	1,635.00

SANCTUARY MAINTENANCE FUND

Investments	27,057.96
Div/Int	<u>820.46</u>
Balance	27,878.42
Expenses	
Carey Run Windows	<u>703.50</u>
Balance	27,194.92

Budget Item	Budget	Actual
SANCTUARY ENDOWMENT FUND		
Income:		
Dividends	5,000	2,757.21
Contributions	1,000	767.86
Life Membership	<u>400</u>	<u>400.00</u>
Total Income	6,400	3,925.07
Expenses:		
Bond Maint.		155.00
Trans. to Operating Fund	650	620.00
Trans. to Sanctuary Fund	<u>3,500</u>	<u>2,200.56</u>
Total Expenses	4,150	2,835.56

SANCTUARY FUND

Income (does not include Carey Run income):		
Div/Int	5,000	2,200.56
Use Fees	1,400	494.00
Signs	<u>300</u>	<u>21.00</u>
Total Income	6,700	2,715.56
Expenses:		
Irish Grove		
Mowing	850	700.00
Marion VFD	50	50.00
Utilities	450	386.53
Survey		200.00
Fuel	450	537.52
Taxes	275	259.72
General Maintenance	<u>2,000</u>	
Total Expenses	4,075	2,133.77
tum Suden		
General Maintenance	1,200	325.00
Utilities	300	
Fuel	500	
Total Expenses	2,000	325.00
Carey Run (Does not include operating Expenses)		
Replacement Windows		<u>703.50</u>
Total Expenses		703.50
Liability Insurance	800	
Contingencies	2,000	

SANCTUARY PURCHASE FUND (WANUGA)

Investment Income (Div/Int)	1,998.18
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Budget Item	Budget	Actual
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SCHOLARSHIP ENDOWMENT FUND

Income:		
Contributions	300	212.27
Div/Int	4,500	3,046.27
Expenses:		
Transfer to Scholarship Fund	2,804.24	

SCHOLARSHIP FUND

Income:		
Div/Int	4,500	2,804.24
World Nature Association	650	
Bourne	500	
Scholarship Refund		<u>495.00</u>
Total		3,299.24
Expenses:		
Helen Miller Scholarship		1,950.00
Chandler Robbins Scholarship	750.00	
Eleanor Robbins Scholarship		750.00
Orville Crowder Scholarship		650.00
Bourne Scholarship		<u>650.00</u>
Total		4,750.00

RESEARCH ENDOWMENT FUND

Income:		
Contributions	100	
Div/Int	<u>2,900</u>	<u>2,521.80</u>
Total	3,000	2,521.80
Expenses:		
Transfer to Research Fund		2,000.00

RESEARCH FUND

Income:		
Div/Int	2,900	2,000.00
Loan Repayment		<u>1,000.00</u>
Total		3,000.00
Expenses:		
Grants	2,900	3,000.00

FUTURE ATLAS FUND

Income:		
Div/Int		329.09

Budget Item	Budget	Actual
UNASSIGNED BEQUESTS		
Beginning Balance		108,026.23
Assigned to Youth Education Fund		30,000
Assigned to 1995 Conference		3,000
Assigned to Yellowbook Revision		11,000
Assigned to Index Maryland Birdlife		3,000
Total Assigned Funds		47,000.00
Balance		61,026.23
Div/Int		<u>2,188.21</u>
Ending Balance		
63,214.44		
Youth Education Fund		
Beginning Balance		30,000.00
Div/Int		<u>902.28</u>
Ending Balance		30,902.28

Larry Fry, Treasurer

ANNUAL REPORTS OF CHAPTER PRESIDENTS

BALTIMORE BIRD CLUB

Field trips during the year totaled 55 sites visited including the Baltimore Harbor count, the Winter and May Counts and the Delmarva Lister trip. All were well attended with gratifying results for those who participated.

Nine lectures were held at the Cylburn Mansion House, on the first Tuesday of each month from November through May. Talks were also given to 23 groups outside the Mansion House, including elementary schools, garden clubs, and senior citizen organizations. Two classes were held at Cylburn for beginning birders and six classes were held at the Cockeysville Middle School Adult Education Center.

The children's school trips at Cylburn during the fall and spring months touched the lives of many youths in Baltimore City and Baltimore County. These walks included hands on experiences in bird and plant study and conservation.

The bi-monthly newsletter, *Chip Notes*, included notes from many field trips, the listing of future events, and the first printing of *The Birds of Cylburn Park*.

Earl H. Palmer, President

CAROLINE COUNTY CHAPTER

Monthly meetings were held in the Caroline County Public Library in Denton on the third Friday at 7:30 from September through May except for December. Steve Westre coordinated the Christmas Count and Wilbur Rittenhouse coordinated the May Count.

We had a variety of programs, moving from examining the precarious state of bird populations in Maryland (Sam Droege, presenter) and of Barrier Islands of Virginia (Nick Carter) to a look at bird rehabilitation (Kelly Allen). Without having to leave our seats, we got a taste of birding in Alaska (Bob Ringler) and the Northern Rocky Mountains (Dr. Robert Trever). We learned all about bird photography (John Taylor), then came back home to the Eastern Shore to learn more about one of the treasures in our own back yard, Bombay Hook Refuge (Paul Daly).

One sad note was that Jerry Fletcher died on May 22, 1992. Jerry and his wife, Roberta, were charter members of the Caroline County Chapter of MOS, the first chapter on the Eastern Shore. Jerry was also very active in statewide activities and was MOS treasurer for many years.

Debby Bennett, President

FREDERICK COUNTY CHAPTER

We had a full schedule of nine meetings with topics ranging from pelagic birds to warblers, and with an emphasis on the environment and habitat as it is affecting our county and state bird populations. David Brinker spoke in September on goshawks; Greg Kearns increased our interest in rails in October; Kent Minichiello presented Chincoteague through the lens of his camera in November; and our Christmas dinner meeting was followed by Chan Robbins and "Migration."

We started the new year with Rick Blom and the rare breeders of Maryland, and Paul O'Brien encouraged us to take to the seas during the February meeting. Our March meeting was snowed out, but April found us preparing for spring with Pete Webb's warbler slides and tapes. Our last, but not least, meeting of the year was our annual picnic held this year at the home of Tinker and Pat Williamson in Braddock Heights. Their seven-acre wooded homestead was very bird friendly. We saw eight different warbler species in one tree in 15 minutes plus a Ruby-crowned Kinglet and a Northern Oriole. Attendance averaged about 40 members and guests.

We had eight trips in the county and four out of the county, plus our Catoctin Christmas Count and the May Count. With only 16 participants we had a record 77 species on the Christmas Count including our first Gadwall.

Our greatest accomplishment of the year was the publication of *A Guide to Bird Finding in Frederick County, Maryland* written by our own Stauffer Miller. We have copies available, A.B.A. is selling it, and we are currently negotiating with local nature and birding shops who are interested in distributing it.

We also have continued with our local hot line/phone tree and welcome all who bird in our county to let us know of rarities they spot here. Any chapter member can get the bird report on the line.

Flight Lines, our Newsletter, started this fall with vol. 1, no. 1. It is our effort to keep all abreast of birding in our area and other topics of interest.

Helen Horrocks, President

HARFORD COUNTY CHAPTER

The 1992-93 year marked the 44th year of activities for the Harford County Chapter of MOS. Membership numbered 204. Activities started with the annual picnic at the 4-H camp at Rocks State Park on Sept. 12. Tom Congersky and assistants provided a fantastic meal of pit beef and all the accoutrements for 55 participants.

Speakers for the three dinner meetings at Churchville Presbyterian Church were: Dr. Donald Messersmith, "Birds of Northern and Central China and Rare Cranes on their Wintering Grounds" in November; James Wiley and Dave Ziolkowski, "Maine Audubon Ornithology Camp" in March; and Mr. Bruce Christensen, "Birds of Australia" in May. Ralph and Carol Benck presented the January program on Ecuador, the Amazon, and the Galapagos Islands.

Field trips included forays to Hart-Miller Island, canoeing on Otter Point Creek, a Waggoner's Gap hawkwatch, Loch Raven Reservoir, Soldier's Delight Natural Environmental Area, Bradenbaugh Flats in northern Harford County, Blackwater Refuge, Middle Creek WMA, Bombay Hook Refuge, Gettysburg and Adams County, Huntley Meadows, and Delaware Bay. Eleven warbler walks (some competitive) were held in April and May. Dennis Kirkwood won the competition with 57 species. Three early evening watches were held in March for "Oodles of Timberdoodles" and also in August for "Bel Air Goatsuckers."

Work and discussion started on a brochure on Birdwatching in Harford County. Attempts were made to get funding from the Harford County Board of Tourism. A grant of \$500 was received from the Chesapeake Bay Trust and \$500 was given from MOS. Two members donated \$100 each toward this project. A raffle with prizes at dinner meetings and the picnic continued to serve as an additional fundraiser. The club donated \$100 to Envirothon, a local, state, and national high school environmental competition, and \$100 to Harford Land Trust toward the purchase and preservation of Falling Branch waterfall and surrounding land.

Plans started in April for the 1994 MOS Convention at Sandy Cove in North East, which our chapter will be hosting. Linda Bystrak volunteered to be chairperson of the Convention.

This year the Chapter started offering a free membership to a high school student from each of the ten high schools in the county. Information about the club and memberships was distributed through the environmental science teachers at each school, who then selected the students.

Bill Russell, environmental issues chairperson, continued to supply pertinent information for the Newsletter. A revised Harford County checklist became a reality thanks to Dennis Kirkwood, along with a committee that did the initial revision. Bill Pfingsten then did final revisions and formatted the checklist for the printers. Bill then started work on revising the old Cecil County checklist.

The 21st annual Rock Run Christmas Count was held on Dec. 27. Fifty-two persons located 96 species, the highest total ever. Dennis Kirkwood coordinated the count, and John and Lorna Wortman hosted the "tally rally." Three new species were added: Double-crested Cormorant, Osprey, and Common Black-headed Gull. The May Count, coordinated by Les Eastman, was the most successful ever, with a total of 160 species including 30 species of warblers. Rarities included Mississippi Kite and Philadelphia Vireo.

In March the Chapter held its first Nesting Box Workshop at the Conowingo Visitor Center in cooperation with Philadelphia Electric Company. Dave Webb and June Vaughn coordinated the plans and orders, and Tom Congersky and Randy Robertson cut the boxes. Thirty persons participated on construction day. At the March meeting awards for the previous year were presented to Dave Ziolkowski, Rookie of the Year; John Wortman, Lister of the year with 190 species; Conowingo Visitor Center for the Black-legged Kittiwake, Bird of the Year; and Dennis Kirkwood and Tom Holden for Distinguished Service. Two persons from Harford County were MOS scholarship winners: Carol Kehring, an outdoor education teacher at Harford Glen and Tom Trafton, an environmental science teacher at Havre de Grace High School. Both went on to become club members.

Jean L. Fry, President

HOWARD COUNTY CHAPTER

To mark the Chapter's twentieth anniversary a number of special activities were planned. Chandler Robbins was the featured speaker at the anniversary meeting in October as he had been at the first meeting on Dec. 14, 1972. Martha Chestem prepared historical exhibits; Eileen Clegg arranged for a special birthday cake.

In honor of the year, several local donations were made. A \$1000 contribution for education and rehabilitation went to the Maryland Parks Foundation. Two subscriptions of *Birder's World* were given to the county library system: one to the Central library and one to the Miller branch. The club also plans to donate a field guide to the birds to each of the county's elementary and middle schools.

Three items were published. Checklist Coordinator Jane Farrell along with Connie Bockstie produced a revised Centennial Park checklist. The *Bluebird Handbook for Howard County, Maryland* by Joanne K. Solem and Mark D. Wallace was published in memory of two of the club's foremost bluebirders, Frances Ehlers and Joseph Suess, both of whom died within the last few years. "The Butterflies of Howard County, Maryland: A Biological Survey and Checklist" by Richard H. Smith was issued in May.

The annual potluck social evening in February, organized by Monika Botsai and Grazina McClure, was made special not only by members' slides but by several presentations. Mike McClure received the chapter's Valued Service Award and the nesting rails at the raceway pond in Savage, discovered by Eirik Blom, were named Birds of the Year.

The final activity celebrating this anniversary year was held in late May on the grounds of the Johns Hopkins Applied Physics Laboratory. a bird walk along the Middle Patuxent River preceded a mid-morning picnic breakfast. Founder Nanine Rhinelander and two organizing members, Martha Chestem and John Healy, were among the two dozen participants.

The Howard County Bird Club completed a full schedule of activities in addition to the special events. Martha Chestem, with assistance from Jane Geuder, planned varied, informative, and entertaining monthly programs from September through May.

Bonnie Ott organized several dozen bird walks on weekends as well as some weekday outings. Wildflower walks and a butterfly field trip were also held. Seasonal

habitat walks continued to be co-sponsored with the Howard County Department of Recreation and Parks.

Our 14th year of fall and winter bird seed sales, directed by Eileen Clegg, provided a successful source of funding for special donations. In addition to the contributions mentioned above, the sales together with individual donations funded a \$2500 gift for habitat preservation in Belize. The club bookstore, capably managed by Michele Wright at meetings and seed sales, also generated funds in addition to providing a valuable service to members.

The Boost Bluebirds project continued to involve dozens of people all over the county. Chairman Mark Wallace received major assistance from Hank Stanton with whose help he has computerized all records. About 1,500 bluebirds, along with other native cavity nesters, fledge each year. Tree Swallow fledglings are showing a small but distinct increase locally. Bluebird in the Parks, a cooperative effort with Recreation and Parks, is successful with Bill Eckert as its head.

A substantial number of the club's members participated in at least one of the three seasonal surveys: May Count, Midwinter Count, or the Triadelphia Christmas Count. The migration records kept by active field birders are compiled by Jo Solem and forwarded to Maryland Birdlife and American Birds. Jane Farrell, compiler of the 1992 annual county bird list, reported a new high of 226 species in this 14th year.

Once again the club staffed a display in August at the Howard County Fair under the direction of Mike McClure. An unmanned display was placed at the Howard County Garden Festival in April, and 17 educational presentations were made during the year by nine members using the club's collection of mounted specimens.

Gerald Einem, with assistance from Charles Fuller, again completed an annual breeding bird census on a plot in the Middle Patuxent Environmental Area. Several members contributed time at area banding stations.

Bob Solem kept members abreast of pressing conservation problems. The Chapter continued to promote county recycling and the Chesapeake Bay and Endangered Species Fund. It supported the Wild Bird Conservation Act and renewal of the Endangered Species and Clean Water Acts. Information was provided to members about The Howard County Conservancy.

Under Susan Setterberg's editorship, the Newsletter continued to be vital in linking club members. New features, as well as old, helped members keep up with happenings in the local birding community. The Howard Chapter mails *Maryland Birdlife*. Tom Strikwerda heads this effort with assistance from Martha Chestem and Maud Banks. They are supported by a corps of volunteers who complete this periodic task with efficiency and good humor.

Four members were appointed to state MOS committees: Ralph Geuder, investments; Dave Kubitsky, education; Peter Osenton, sanctuary; and Paul Zucker, budget. With the end of this year, Program Chairperson Martha Chestem and Treasurer Nancy Magnusson are leaving positions they have held for a number of years; the club thanks them for their dedication and major contributions.

As the Chapter completes twenty years of chronicling the birds of Howard County, we look forward with anticipation and enthusiasm to the next decades.

Joanne K. Solem, President

JUG BAY BIRD CLUB

The Jug Bay Chapter's membership has remained at approximately 30 members. Regular activities include the monthly meeting and at least one field trip each month. During the past year, members participated in the Christmas Count, May Count, and various Prince George's County nature events.

Wally Stephens, President

KENT COUNTY CHAPTER

Our membership consisted of 14 single members, 18 families, and one sustaining membership. Unfortunately we did not succeed in our efforts to increase our membership and to attract young people or students to join. We had special programs that we thought would attract a variety of people—especially our first annual Raptor Race—but it did not work out well and the weather did not cooperate.

Our programs in general were excellent, and all our meetings were very well attended. It helped that we sent out the minutes of the previous meeting about ten days before the next one. Our speakers took us from Kent County (Trish Gruber and Peggie Spiegle) west to Garrett County (David Brinker), south through the Delmarva Peninsula (Heather Davidson and Skip Willets) to the Sub-Antarctic (Daphne Gemmill) and around the world to Australia to learn about Emu farming (Dr. Michael Forney).

Our field trips were successful but not terribly well attended. We participated in the May Count, the Christmas Count, and the Mid-winter Bird Count. We held our usual Annual Picnic in June.

Helga Orrick, President

MONTGOMERY COUNTY CHAPTER

Our 1992-93 season got off to a rollicking start with a droll presentation by David Spector, an ornithologist at the National Zoo, entitled "How to Misidentify Birds." With gentle subtle humor he pointed out several errors in bird field guide identifications. More excellent programs followed during the remainder of the season: Mark Garland, Chapter member and Senior Staff Naturalist at the Audubon Naturalist Society, spoke about the natural life of the Northern Rocky Mountains; David Blockstein, Executive Director of the Committee for the National Institutes for the Environment, presented an intriguing lecture on the reasons for the extinction of the Passenger Pigeon; Wayne Klockner, Director of the Maryland Chapter of The Nature Conservancy, described new Nature Conservancy initiatives in Maryland; Russell Greenberg, Director of the Migratory Bird Center at the National Zoo, discussed interspecific territoriality in migratory birds in the tropics; Tony White, Chapter member and Past-president of the MOS, pointed up the number of birds that are threatened or endangered; and Don Messersmith, Chapter member and President of the World Nature Association, showed us what birding in Hungary is like.

In addition to numerous field trips in the National Capital area led by excellent Chapter birders we again had a joint trip with the Cape Hatteras Bird Club to the Outer Banks of North Carolina in October. Pat and Neal Moore are members of both clubs and made the arrangements for three days of wonderful birding.

The March Social was a sit-down dinner at the Faith United Methodist Church in Rockville and the one hundred spaces were fully subscribed. The highlight of the evening was again the members' slide show with many exceptional pictures of our favorite subject: birds!

Membership in the Chapter climbed to above 350, thanks to the efforts of Membership Committee chairperson Margaret Bullock and Jane Hill.

Bill Kulp, Sr., President

PATUXENT BIRD CLUB

The Patuxent Bird Club held its monthly meetings at 7:45 on the 4th Tuesday during the school year in building 011A at the Agricultural Research Center in Beltsville. At our September meeting, Hobson Calhoun, Prince George's County Forest Conservationist, explained how he is attempting to implement the 1992 Maryland law that reenforces the 1987 County Woodland Preservation law. Robert Boone, founder of the non-profit Anacostia Watershed Society, was our October speaker, explaining "Urban Impact on Local Streams," and Greg Kearns of the Maryland-National Capital Park and Planning Commission enlightened us about King and Virginia Rails at Jug Bay and Black Rails on the Eastern Shore.

At the winter meetings in January and February, DNR Biologist David Brinker told of his search for nesting Northern Saw-whet Owls in western Maryland, and Jim Stasz discussed "Gull Identification for the Gullible." In March, David Ellis of the Patuxent Wildlife Research Center described his part in restoring Peregrines in Arizona. Don Messersmith took us on one of his fascinating trips to the Falkland Islands in April, and in May and June we had members night and our annual picnic.

Our field trips were to favorite local sites in Prince George's County and included a bird banding demonstration by Deanna Dawson at the height of fall migration at the Patuxent Wildlife Research Center.

Our members took part in the Christmas, Midwinter, and May counts and ran Breeding Bird Survey routes. Eleanor Robbins continued to write her column for the *Volunteer*, published monthly by *Beltsville News*. Helen Meleney is our representative on the Education Committee.

David Mozurkowitz, President

WICOMICO BIRD CLUB

Membership totaled 29 singles, 1 junior, and 18 households. Attendance averaged about 35 at our 8 meetings from September through May, including our annual dinner meeting in March. Presentations covered topics such as Piping Plovers, Black Skimmers, neotropical migrants on Delmarva, birds of Florida, and birds of the Great Basin Desert.

Our 10 field trip destinations included Chincoteague NWR, Bombay Hook NWR, Blackwater NWR, Deal Island WMA, Cape Henlopen State Park, and the Bay Bridge-Tunnel. Also, 24 members took part in the Jan. 2 Salisbury Christmas Count coordinated by Charlie Vaughn. Charlie also coordinated the Crisfield Count, and he and a few other club members took part in the Chincoteague, Wachapreague, and Ocean City Counts. Club members participated in the May Count and in the fall Irish Grove Sanctuary workday. As in the past, Ruth Denit graciously supplied two turkeys for the Irish Grove workers' midday meal. The club also had a booth, with information on birds and club activities, at the Ward Festival of Wildlife Art on Oct. 3 and 4.

The club and individual members wrote letters to public officials on a number of conservation issues throughout the year. The club continues to have a representative on the Pemberton Park Board and sent representatives to a number of local environmental meetings on issues including a county greenways program and wildlife management.

Ellen Lawler, President

BOOK REVIEWS

NATURAL LIVES, MODERN TIMES

People and Places of the Delaware River

Bruce Stutz. 1992. Crown Publishers, NY. Notes. Index. 390 pp. \$22.

Bruce Stutz, at one time senior editor of my favorite magazine, *Natural History*, and now writer for several others, begins this well-written book with a quote from Walt Whitman. He then goes on to the rhythmic natural poetry of the Delaware that we all know, at its Bay at least, a rhythm stretching as far back as the Devonian era, the springtime rhythm of the mating and egg laying of horseshoe crabs. We humans joined the Delaware Bay history only as recently as 12,000 years ago, and as the MOS bird-watching branch of humankind probably no longer ago than 30 years. The descriptions of the numbers of shorebirds attracted to this horseshoe crab spectacle will ring true to what you yourself have seen in the Mays that you've driven the back Delaware roads to get to Bombay Hook and points south. And while this is all very contemporary, our author gives us a report on the same phenomenon in 1855, the earlier harvest of these animals for fertilizer, and the more current for medical research. True too, is Stutz's questioning speculation about the future in such a vulnerable body of water as Delaware Bay.

This is not just a recounting of the activities of 2 million horseshoe crabs coming ashore. The human history of those who lived close to Delaware Bay is portrayed fully, the author making good use of a 1770 book by noted Swedish naturalist, Peter Kalm, who came here to study the plants. Equally good use is made of the oral history of those still there who have lived along the Bay all their lives. Their lives and the lives of their parents encompass the times when sturgeon and shad "seemed to move in undiminishing schools," though there had been warnings in 1880 about their demise. Nevertheless, the many descendants of the fishers of sturgeon and shad in such abundance are now participating in a waning market for snapping turtles and muskrats, for ever declining prices.

Stutz's treatment of the entire length of the Delaware River follows this pattern: ancient geologic history, more recent human history, and the current environmental issues. He travels all the way north to where the West Branch Delaware River and the East Branch Delaware meet at Hancock, New York, many miles inland, but still irretrievably connected to the rest of the world at least as far as the 1500 mile distant Sargasso Sea, by the migratory and sometimes mysterious path of eels. Perhaps the summation of the river's story that we as humans had better heed comes from an eel gatherer at the top of the river: "You have to give way to the river. You're not here to stop the river. You have to let it by.

As we stand at the marshes and ponds of the Delaware Bay's Bombay Hook Refuge and on the shores of Little Creek and Slaughter Beach, let's hope that all the way to the confluence of East and West Branches they don't stop the river, that it just keeps rolling along. Reading this book will lengthen your perception of the history and geography of the Delaware, putting Bombay Hook in rightful perspective along the Delaware Bay—*Joy Wheeler*.

A SHADOW AND A SONG

The Struggle to Save an Endangered Species

Mark Jerome Walters. 1992. Chelsea Green Pub. Co., Post Mills, VT. Bibliography, notes, index, map. 238 p. \$21.95.

Unfortunately, the shadow looms larger than the song, and the ending of the story comes as no surprise. The premonition raised by the book jacket's images of the two main elements of the story, the small singing sparrow and a rocket launching, gives it away. The sparrow almost seems destined for oblivion when one tries to balance the influence of a few, small singing birds against that of the gargantuan influence of the space program. Yet, even with a population of only a few thousand, the sparrow had been competing successfully in its delicate habitat for thousands of years, and its demise occurred over a period of only 25. But against Brevard County, Florida Mosquito Control, U.S. Fish and Wildlife rangers and bureaucrats, NASA administrators, real estate developers, ranchers, highway engineers, and egg collectors, who among us could have prevailed?

Mark Jerome Walters, a writer of a column on endangered species for *Animals* magazine, clearly, but not without emotion, presents a step by step tale of the descending trail to the sad end of a bird, until it took its place with other birds of our southeast, the Carolina Parakeet and Ivory-billed Woodpecker. How many more such tales will be told? This one is well documented with an extensive bibliography, some of it written when there may have been hope for the bird. The last sentence of the book confirms: "On December 12, 1990 the U.S. fish and Wildlife Service officially declared the Dusky Seaside Sparrow extinct, and its name was removed from the federal register list of endangered species." It's a sad, depressing story and you may not thank me for recommending that you read it. But I do, strongly. We as watchers of birds must look beyond our lists and vigorously work to prevent more stories like this from even beginning, much less coming to such a sorry ending.—*Joy Wheeler*.

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